

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, DECEMBER 24, 1924

No. 26

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Deal Direct with the Manufacturer

In This Issue { *Container Regulations Revised*
Cramton Bill Denounced at Hearing

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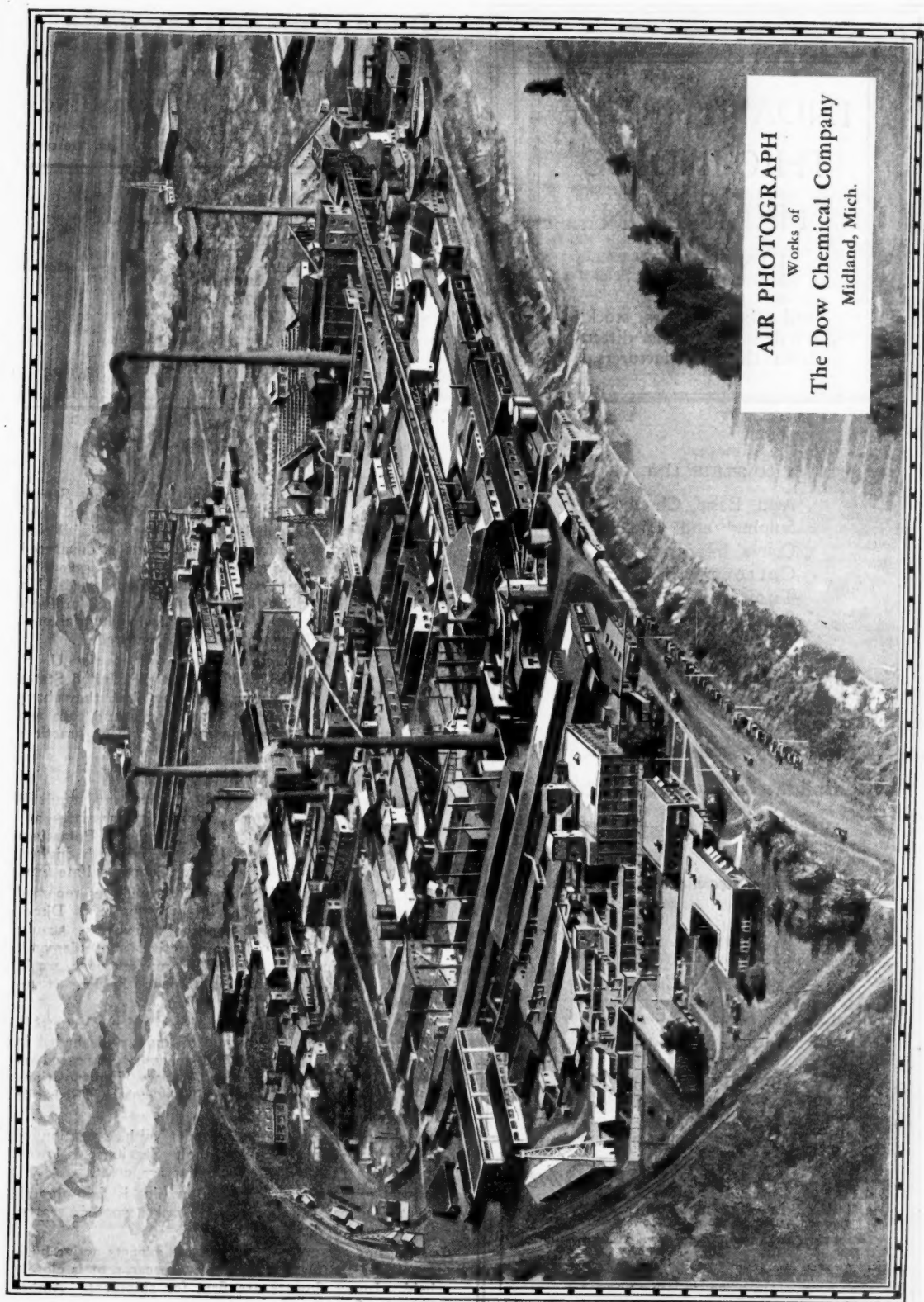
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DRUG & CHEMICAL MARKETS

Published Every Wednesday by

DRUG & CHEMICAL MARKETS, INC.

William Haynes, President

Ira P. MacNafr, Secretary

F. F. Burgin, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay

Cable Chemmarks

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

VOLUME XV

No. 26

The Week in Brief

News

Testifying before the sub-committee of the Senate Committee on the Judiciary, Dr. J. M. Doran, chief of the Industrial Alcohol Division of the Prohibition Unit, said that about five million gallons of denatured alcohol for which withdrawal permits are issued by the Prohibition Unit, goes for illegitimate uses. He said 54 million gallons of alcohol out of 60 millions produced annually is used for technical industrial purposes. Thirty million gallons are denatured.

Percival E. Falkingham has filed suit in the U. S. District Court for \$1,125,000 against the United States Alkali Export Association, claiming that they have formed a monopoly in the caustic soda and soda ash trade and have indulged in unfair business practices to lessen competition.

Markets

Business in industrial chemicals reported at standstill in practically all quarters. Domestic prussiates advanced. Barium products cut further. Potassium perchlorate obtainable at 10½c lb. Potash higher. Calcium arsenate continues quiet. Copper sulfate firm. Orders for immediate delivery of intermediates reported rare. Para-toluidine shaded in some quarters. Di-nethylaniline lower. Beta-naphthol develops strong undertone. Ortho-toluidine in active spot demand. Crudes remain quiet. Pyridine market very weak. Phenol fairly steady. Naphthalene holding firm. Cresol quiet. Cresylic acid dull.

Linseed oil at recent levels after rise in price. Vegetable oils holding firm. Chinawood oil quiet and shaded in some quarters. Palm oil dull on spot. Rapeseed oil steady. Animal oils remain in very firm positions with demand greater than available supply. Fish oils quiet but steady.

Fine chemicals are generally quiet with exception of mercury, codliver oil, and alcohol. Saccharin is lower. Salicylates are steady. Bromides are quiet.

Essential oils are firm. Oil peppermint is firm though quiet. Oil cassia is easier. Oil cedar wood is scarce. Oil orange, Italian, is firm.

Crude drugs are quiet, but the trade expects active business after the turn of the year. Ipecac root is closely held. Insect flowers are firm for shipment. Amber sorts are firm.

Are You the Chemical Buyer?

*Then Here Are Some Points to Remember About
R & H Chemicals and Service*

For Fumigation in the Mining and Electroplating Industries

Cyanegg—Standard high grade Sodium Cyanide 96-98% NaCN with 51-52% cyanogen content. This is a clean white salt, cast in the shape of eggs, weighing uniformly about an ounce. It is packed in air-tight galvanized iron drums, holding net 100 and 200 lbs. (gross weight 110 and 220 lbs., respectively).

Cyanogran 96-98% NaCN with 51-52% cyanogen content, in granular form.

Cyanide-Chloride Mixture 73-76% NaCN with 39-40% cyanogen content, equivalent to 98-100% KCN.

Electroplating Chemicals

Cyanegg (96-98% Sodium cyanide).
Cyanides: Copper, Lead, Nickel, Silver, Zinc.

Trisalts: Cadmium, Copper, Gold, Silver, Zinc.

Nickel Salts: Single and Double.

Nickel Chloride.

Platinum Salts, Platinum Chloride, "Platin-Nig"

Polysulphide for oxidizing.

R & H Case Hardener

Ceramic Materials

Chemicals:

White Arsenic, Barium Carbonate, Barytes, Boric Acid, Borax, Metal Cadmium, Cadmium Sulfide, Cobalt Salts, Powdered Glass, White and Red Lead, Leukonin, Potassium Carbonate, Potassium Nitrate, Powdered Blue, Selenium, Sodium Carbonate, Sodium Nitrate.

Minerals:

Needle Antimony, Clays, Feldspar, Flint, Fluorspar, Kalkspar, Cryolite, Marble Dust, Rutile, Whiting.

Oxides:

Aluminum, Antimony, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Nickel, Tin, Uranium, Zinc, Zirconium.

Ceramic Decorations:

Liquid Bright Gold, Liquid Bright Silver, Platinum Preparations, Colors—Overglaze colors, Underglaze colors, Glass colors, Majolica Colors, Liquid lustre colors; Fluxes, Enamels.

Paint & Color Chemicals

Antimony Sulfate, Antimony Trichloride, White Arsenic, Barytes, Barium Chloride, Cobalt Oxide, Copperas, Copper Cyanide (Marine anti-fouling paint), Iron Oxide, Potassium Prussiate, Sodium Prussiate, Stannous Chloride, Whiting, Zinc Cyanide (Anti-rust paint), Zinc Oxide.

Rubber Chemicals

Pigments:

Antimony Sulfuret: Golden, Crimson, Vermilion; Alumina Earth, Magnesia (heavy), Sulphur, Iron Oxides, Magnesium Carbonate (light), Whiting, Zinc Oxide.

Accelerators:

Hexamethylenetetramine (Technical), Aldehyde Ammonia, Formaldehyde Aniline, Thiocarbonyl, Diphenyl Guanidine, Triphenyl Guanidine, Tensilac 39, Tensilac 40, Ethylidine Aniline, Formaldehyde, Sulphur Chloride.

Solvents and Cleaners

Chloroform, U. S. P.; Methanol, Acetone, U. S. P. and tech; Methyl Acetone, Ethyl Chloride.

Non-inflammable Solvents

Carbon Tetrachloride, Chlorine Derivatives: Tetrachloroethane, Pentachloroethane, Dichloroethylene, Trichloroethylene, Perchloroethylene, Dichloromethane.

Bleaching Agents

"Albone" (25 to 30% by volume H₂O₂), Bleaching Powder (Chloride of Lime), "Solozone", Chlorine (liquid), Potassium Permanganate, Hydrogen Peroxide, Sodium Perborate, Sodium Bisulfite, Stannous Chloride.

R & H Chemicals are made to a rigidly maintained standard. This has an important bearing on your own products. Your standards are easily maintained and buyers are continuously attracted. R & H Service is always unobtrusively at your elbow. We leave nothing undone that will facilitate worryless relations. And R & H reliability is a drag-anchor in the troubled sea of business, has been for over 42 years. Your requirements can probably be filled from this list of R & H Chemicals. Specify them on your next order.

Oxidizing Agents

(See also Bleaching Agents)

Manganese Dioxide, "Oxone", Potassium Chlorate, Sodium Chlorate, Polysulphide, Hydrogen Peroxide, Sodium Peroxide.

Peroxides and Perborates

Calcium, Magnesium, Strontium, etc., Zinc, Zinc Peroxide Soap.

Tanning Chemicals

Aluminum Sulfate, Red Arsenic, Chrome Alum, Lactic Acid, Potassium Bichromate, Sodium Hyposulfite, Sodium Sulfide, Sodium Bichromate, Splate (Barium Chloride).

Dyeing Chemicals and Mordants

Aluminum Sulfate, Antimony Salts (65%) (Tartar Emetic Substitute), Antimony Trichloride, Ferric Chloride, anhydrous; Formic Acid (90%), Glauber's Salt (Anhydrous, Calcined and Crystals), Potassium Bichromate, Potassium Prussiate, Red and Yellow; Sodium Acetate, Sodium Bichromate, Sodium Hyposulfite, Sodium Nitrate, Sodium Phosphate, Yellow Sodium Prussiate, Sodium Stannate, Sodium Sulfide, Stannous Chloride, Vanadium Oxide and Salts.

Refrigeration Compounds

Anhydrous Ammonia, Aqua Ammonia, Calcium Chloride, Ethyl Chloride, Methyl Chloride, Sulfur Dioxide.

Soap-making Chemicals

Caustic Potash, Potassium Carbonate, Caustic Soda, Sodium Carbonate, Stearic Acid.

Hydrogenation Chemicals

Formic Acid, "Hydrone," Nickel Formate, Nickel Oxide, Nickel Sulphate.

Pharmaceuticals and Anesthetics

Crystal and Powder Acetanilide, Ammonia Alum, Chloroform, Caffeine, Dichloromethane, Epsom Salt, Ethyl Chloride, Ferric Chloride, Anhydrous; Hexamethylenetetramine, Iron (by Hydrogen), Lithium Salts, Benzoate, Carbonate, Citrate, etc.

Many Other Chemicals of Guaranteed PURITY for the Industries and Arts

Acid, Phosphoric, U. S. P. and Tech. (for soft drinks).

Acid, Oxalic (for bleaching, dyeing and tanning).

Iron Chlorides (for dyeing, chlorination of ores, oxidizing and pharmaceuticals).

Sodium Carbonate, Potassium Carbonate (calcined and hydrated) (for dyeing, bleaching, soap and glass manufacturing and tanning). Sal Ammoniac, White and Gray (for galvanizing and primary cells).

Sodium Metallic (as reducing agent).

Sodium Sulfite.

"Hydrone" (for generating hydrogen gas).

Lead Acetate (for desulfurization).

Manganese Sulfate (for dyeing, in ceramics and as drier).

Potassium Oxalate and Bioxalate.

Sodium Bisulfite (for paper manufacturing and dyeing).

Trisodium Phosphate (as boiler-compound and water-softener).

Zinc Sheets, Discs and Dust (for precipitation of gold and silver in the cyanide process).

Zinc Chloride (for preservation of wood and animal material; dyeing; fireproofing, etc.).

Zinc Sulfate (for dyeing; as disinfectant, astringent and drier).

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DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, DECEMBER 24, 1924

No. 26

NOW—WHAT AM I OFFERED?

President Coolidge's thrifty and analytical mind must have been overcome by his heart when he wrote the Muscle Shoals paragraphs of his message. The Vermont farmer in him specifies our soil exhaustion at a deficit of three and a half million tons of nitrates annually on one hundred and eighteen millions of acres: the Massachusetts lawyer generalizes about the possibilities of a "sale" or "long-term lease" of the Muscle Shoals property under "rigid guarantees of commercial nitrogen production at reasonable prices for agricultural use."

Of course, the President knew the details of Senator Underwood's Bill, which is blessed with Administration backing. Possibly he was but making the way smooth for its proposals, which provide: 1—Government ownership, 2—private operation under 50 years lease, 3—right to the Government, at any time, on five days notice, to take over plant to make munition nitrates, 4—leases to produce 40,000 tons of fertilizer nitrates annually after the fourth year and sell at a profit not to exceed 8%, 5—if no lease is made prior to July, 1925, a corporation, stock to be held by the Government and \$50,000,000, 5% bonds sold to public, will be organized to operate the property.

Senator Underwood has had the good sense to draw up a flexible plan and the sound honesty to recognize that electrical power and water rights—not fertilizers—are the commercial, industrial, and financial, if not political, heart of Muscle Shoals.

He has laid down some specifications over which many a pencil can be sharpened to figure the power needed to produce 40,000 tons of nitrates, the comparative percentages of 8% profits on sodium or ammonium nitrate, the market for all excess of ammonium sulfate, royalty and research costs, and a few hundred items not accounted in the Halls of Congress. And then, it will be interesting to watch the bids and the bidders.

THE POWER BEHIND THE THRONE

The recommitment of the Cramton Bill to the Senate Judiciary Committee last week was far from a victory for the chemical and drug trades. Purely and simply, it was the avoidance of a catastrophe; not a bit more. Had Wayne B. Wheeler and his crowd had their way, the bill would have been railroaded through Congress by ordinary dirty back-door politics. As it is, there is not a whole lot of cheer about so far as alcohol consumers are concerned. Recommitment for hearings, taken up mostly by empty twaddle from

Senators who know nothing but the political angle of the alcohol situation, is a long way from killing this proposed measure.

The Cramton Bill is all that the Anti-Saloon League needs or wants to throttle manufacturers who use alcohol. Because there are some crooked people in business who are diverting alcohol to bootleg use, the whole alcohol consuming field will be hamstrung. This is like prohibiting all imports, or so restricting importing as to make it well nigh impossible, because some things are smuggled into the country. If the Cramton Bill were to be enforced by a Prohibition Unit in charge of unbiased and competent people, the case might be different. However, the entire trade knows that Wayne B. Wheeler will be the real enforcer of the measure, if it goes through, and that Roy Haynes, another ardent prohibitionist, will be his willing aid. In reality, it is "the power behind the throne" that the chemical and drug industries fear, and not the apparently innocent Cramton Bill, for experience has proven that where Haynes or Wheeler are involved, industrial alcohol producers or users have not and cannot get a fair deal.

That one single outsider shall dictate the policy of the United States Government in the matter of enforcing the Volstead Law and the Constitution, is in itself enough to make any American's blood boil, but when this power is used to jam through legislation which will cripple several American industries,—not theoretically, but in real practice—the question arises just how democratic is this great democracy? Legislation for the good of the greatest number—maybe!

GERMANY'S NEW DYE TRUST

While France has succeeded in making 90% of the domestic consumption of colors, it is questionable whether French manufacturers will be able to compete in the world markets owing to the high costs of production. Great Britain is in a similar position at the present time, with textile manufacturers complaining of high prices for dyes, British Dyestuffs Corp. facing a deficit of £450,000, and showing a willingness to make an agreement with Germany which would give the Germans an open market in England and the colonies and no British competition in foreign countries. Italy found the dye industry called for so much capital that it was impossible to build plants and carry on research work in competition with Germany, and she capitulated.

Today the United States is Germany's only serious competitor in world trade in dyes, and the German manufacturers are forming a new trust

to win back the business they controlled before the war in foreign countries, including the American textile trade. The capital of the new combination is estimated at three times that of the present Interessengemeinschaft, known in the trade as the I.G. The purpose is to cut prices. The German dye manufacturers have conducted similar campaigns, even selling below cost until competitors were forced to close their works. Prices then were advanced until all losses were made up. American textile plants are using a good many German colors; Italy depends upon Germany for a majority of the dyes used in her factories; France is importing nearly a thousand German dyes and key chemicals; Germany's business in England is surprisingly good. What can be expected, then, when the German aniline trust pushes its products with the efficient sales force for which it was celebrated before the war, now greatly enlarged and offering alluring prices? The outlook is not encouraging. American manufacturers must continue the heavy expenditures of the last few years for research work, must develop a sales force equal or superior to the German machine (which includes laboratory service to demonstrate the application of the dyes) and must also meet low prices, which mean actual losses for a time.

Germany is willing to go to any length in order to build up the industry which produces explosives as well as colors, and to perfect the plants which can be turned into factories for making poison gas at short notice. Have England, France, Italy forgotten so soon, and is the United States unmindful of the menace in the coming price-war in dyes?

ALAS, NO MORE TRUE BAY RUM!

Why has the famous Bay Rum of St. Thomas, with its aromatic odor of oils pimento and orange peel, lost its popularity as a toilet requisite? When the Virgin Islands were under the domain of Denmark, the distillers of Bay leaves made a product with a "bouquet" that won the hearts of men as well as women who loved its phenolic constituents—eugenol and chavicol and their methyl isomers. The once wealthy producers have lost interest in their trade, many distilleries have closed and the former employees, unable to find other employment, are in desperate straits. A recent report says that an advertisement in a St. Thomas paper calling for a dozen men to string telephone wires was answered by a mob of 2,000 who were anxious to work for 45 cents a day.

Under the American flag, under the beneficent government of the United States, a pall has fallen upon the Islands. Warehouses that did an annual business of a million dollars or more are no longer overflowing with casks of alcohol and rum, but stand deserted and decaying. Whence this blight upon a thriving business? The islanders will tell you that Prohibition has ruined them. Their explanation is that the alcohol distilled from molasses, and the rum made from the leaves of *Pimento Aëris*, must be denatured. The excise authorities

stipulate that salicylic acid must be a constituent part of both alcohol and rum, hitherto so pure and enticing that great ships called regularly at the Port of St. Thomas and left again laden with precious cargoes destined for the United States, Central America, and even for Europe and South America. This trade is dead. A great industry has been ruined. Demand has ceased and prices are falling. Who wants pink Bay Rum, or who would drink a cocktail of alcohol and salicylic acid?

While the local resident of St. Thomas blames Prohibition, the New York importer sees the loss of trade in another light. He knows that the market is being flooded with toilet preparations having a similar use to the popular product of the Virgin Islands, and he will tell you that competition is largely responsible for the decline in demand and the consequent fall in price. Whatever the causes of business depression in the islands, a great responsibility rests upon the Government of the United States. What will the present administration do to restore these islands to their former Bay Rum prestige?

When a Senator of the United States interrupts a witness before the Committee on the Judiciary to declare that to denature alcohol is "wicked, infamous, most damnable, and the nearest approach to murder a man can commit," one naturally is led to ask: "Is it possible that the Senator from Missouri is a fair representative of the distinguished body of which he is a member, or is he exceptionally ignorant and reckless of what he says?" People may drink poisons, but Federal, State and Municipal Governments are not held responsible on a murder charge. Because someone steals poison and offers it for sale as a beverage is no reason why poisons should not be manufactured for legitimate purposes.





Industrial Chemical

SECTION



Issue Change in Container Regulations

Interstate Commerce Commission Changes Rules for Shipping Explosives and Other Dangerous Articles by Freight or Express—Steel Cylinders To Be Tested At Three Times Filling Pressure With Minimum 210 lb. Pressure Test—Corrugated Boxes Must be Closed With Animal Glue or Silicate of Soda—Outside Container Must be Marked With Number Of Interstate Commerce Commission Specification

Regulations for the transportation of explosives and other dangerous articles by freight or express, many of which apply to a number of inflammable items and liquified gases in the chemical group, have been amended by the Interstate Commerce Commission under date of Dec. 12. The changes apply to specifications, packing, and labelling of containers.

Paragraph 308 D of present regulations is superseded by the following: Paint, varnish, shellac, wood filler, or wood stain, in glass or earthenware vessels of 1 gallon capacity or less; or in metal cans, kits, pails, or wood-jacketed cans, of 10 gallons capacity or less, packed in wooden boxes or barrels complying with specification No. 2, 11 or 19; or when these articles have flash point of 50° F. or higher and are packed in glass, earthenware or metal vessels of 1 gallon capacity or less, and not exceeding 4 gallons to any outside container, which must comply with specification No. 41.

Paragraph 411 covering ethyl chloride is superseded by the following: (1) In inside containers of not over ½ pint capacity, tightly closed and cushioned in outside containers complying with specification No. 2 or 24, or (for mixed shipments) No. 19. (2) In bulk in metal barrels or drums of nominal capacity not over 30 gallons, complying with specification No. 5A. (3) In tank cars, class IV-A or V, complying with American Railway Association specifications. (4) In cylinders prescribed by these regulations for any compressed gas. Outage as required by paragraph 405, for all containers except tank cars, must be 7.5 per cent or more at 70° F; for tank cars, 4 per cent or more at 70° F.

To paragraph 418, the following has been added: Paint, varnish, shellac, wood filler and wood stain, in addition to containers specified in paragraph 430, may be shipped when packed in single-trip metal containers of 5 gallons capacity or less, complying with specification No. 39C. When the flash point of these articles is 50° F. or higher they may also be shipped when packed in glass, earthenware or metal vessels of 1 gallon capacity or less, and not exceeding 4 gallons to any outside container, which must comply with specification No. 41.

Photographic flash powder as covered by Par. 51B is amended to read: Photographic flash powder must be packed in inner units not exceeding 2 ounces each. When bottles are used, each bottle must be packed in a fiber mailing tube with tin bottom and tin screw cap. Not more than 4 dozen 2-ounce bottles may be packed

in an outer wooden box, which must comply with specification No. 12A. When packed in units not exceeding 1 ounce each in similar fiber mailing tubes and outer wooden boxes, the gross weight of one outside package must not exceed 200 pounds.

Photographic flash powder, flash sheets, or flash cartridges, in quantity not exceeding 5 pounds when in small interior wooden boxes, may be packed with non-explosive, non-inflammable or non-corrosive articles.

Shipment of cylinders and tank cars of compressed gases is changed. Pars. 581, and 165 are superseded by a new paragraph. "Compressed gases must be shipped in metal containers complying with the following specifications: (Superseding Par. 10) One completed cylinder selected at random out of every lot of 200 or less, must be subjected to a hydrostatic test in a water jacket, or other apparatus of suitable form to furnish reliable data, to an official test pressure of not less than three times the maximum permitted charging pressure per square inch, corresponding to a temperature of 70° F. In no case shall this pressure be less than 210 pounds per square inch, or the permanent volumetric expansion be in excess of 10 per cent of the total volumetric expansion."

Riveted sheet iron or steel cases under Container Specification No. 32, Class A, the following supersedes Pars. 1, 5, and 6 of current regulations:

1. Cases must be made of galvanized sheet iron or steel of not less than full 22 gauge; or of 22 gauge black iron or steel, which must be japanned and painted after completion of the case. For single-reel cases 24 gauge material, and for "trailer" cases 26 gauge material, minimum thickness, is permitted.

5. Covers must fit tightly against the body of cases, must lap over not less than 1¼ inches on all sides, must be of one piece construction, and must be reinforced with turned and rolled edges over No. 8 gauge steel wire; except that for cases of one reel capacity and "trailer" cases, this wire is not required. For trailer cases of not exceeding 200-feet capacity, covers must lap not less than ¾ inch.

6. Body of case may be one continuous piece with one single lap seam, or made of four or less separate pieces with single lap seams at corners and bottom edges. Bottoms must be reinforced with strong metal trunk corners or continuous iron or steel angle straps—for single-reel cases and "trailer" cases this reinforcement is not required. Where angle straps are used, they must be securely riveted with one intermediate rivet for each 4 inches of space.

Iron or steel barrels or drums, covering single trip containers, container specification No. 39C: Removable head or removable plate containers are authorized under this specification. Metal pails, fitted with removable plates or tops, constructed in the same general manner as drums, are considered as drums under the provisions of this specification. These containers are not authorized for inflammable liquids except when special au-

thorization is given in these regulations. Containers made under this specification which have been used for the shipment of any article, must not be refilled and re-shipped.

1. These containers must comply in all respects with the requirements prescribed by specification No. 39A except as follows: (Gauge mentioned in this specification refers to United States standard.)

2. The removable head, or the head fitted with removable plate if such construction is used, must be of not less than No. 20 gauge material and the other parts of not less than No. 24 gauge material. When the drum is constructed without removable head or plate, all parts may be of not less than No. 24 gauge material.

3. The test as prescribed in paragraph 3 may consist of a single drop from a height of 4 feet.

4. The marking as specified in paragraph 7 (a) must ICC-39C.

5. The maximum size of any container made under this specification must not exceed 5 gallons nominal capacity.

Corrugated boxes under container specification No. 41:

1. Combined capacity of containers in any outside box, 4 gallons or less. 2. Capacity of individual inside container, 1 gallon or less. 3. Each outside box must be made of double-wall corrugated strawboard double-face corrugated strawboard and single-face corrugated strawboard glued together so as to make one piece. Top and bottom of box must each be formed of four flaps, each pair of flaps meeting to form a close joint or seam, or one pair meeting and the other pair completely overlapping; provided, that in boxes approximately three times as long as they are wide, outer flaps must completely overlap and inner flaps must meet or the space between them must be filled with pad of the same board as the box. The manufacturer's joint of the box must be secured with cloth sealing strip 2 inches or more in width, of not less than 85 pounds per square inch, Mullen test.

4. Material for box and interior packing, and the method of interior packing must comply with the provisions either of paragraph 5 or 6.

5. (a) The double-wall corrugated strawboard must be made with 2 outer facings and a center facing (or liner). Outer facings must be of fiber board having proper bending qualities firmly glued to corrugated sheets, must be not less than .016 inch in thickness and not less than 85 pounds per square inch, Mullen test, and must be waterproofed. The center facing (or liner) may be made of chipboard not less than .016 inch in thickness, of no specific Mullen test. The combined board must have resistance of not less than 240 pounds per square inch, Mullen test. (b) Each inside container (glass, earthenware or metal), must be separately protected within the double-wall corrugated box in the following manner: (I) Each inside container must be inclosed in a shell of double-face corrugated strawboard. (II) In a second shell of double-face corrugated strawboard, with facings of fiber board not less than .016 inch in thickness having proper bending qualities; the second shell to be properly scored and taped at the joint. (III) The four sides of the outside box must be lined with one continuous piece of double-face corrugated strawboard, properly scored. (IV) Top and bottom pads of double-face corrugated strawboard must be placed between the closing flaps and the contents of the package.

6. (a) The double-wall corrugated strawboard must be made with 3 facings. Each facing must be of fiber board having proper bending qualities firmly glued to corrugated sheets, and must be not less than .016 inch in thickness and of not less than 100 pounds per square

inch, Mullen test. Outer facings must be waterproofed. The combined board must have resistance of not less than 275 pounds per square inch, Mullen test. (b) Each inside container (glass, earthenware or metal), must be separately protected within the double-wall corrugated box in the following manner: Each inside container must be inclosed in a scored shell of double-wall corrugated strawboard of not less than 200 pounds per square inch, Mullen test, or two thicknesses of double-face corrugated strawboard, each thickness not less than 175 pounds per square inch, Mullen test.

7. Mixed shipments of inflammable and noninflammable liquids in the same outside box must be packed in the same manner as shipments consisting only of inflammable liquids.

8. Inside containers must be securely closed in such manner as to prevent leakage of liquid contents during transportation.

9. Tops and bottoms of outside boxes must be closed by gluing with animal glue or silicate of soda, which must coat the entire contact surfaces of top and bottom pads and all of the flaps.

10. The outside container must be plainly marked with a symbol consisting of a rectangle and as follows: I.C.C.—41. The name, or initials, and address of the company applying this marking must also be placed immediately below this symbol. The letters and figures in this symbol must be at least $\frac{1}{8}$ inch high. This symbol will be understood to certify that the package complies with all requirements of this specification. When offered for shipment the package must also bear such other description as may be required by these regulations for the particular article contained therein.

FAVOR HIGHER TARIFF ON OXALIC ACID

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 24.—The Tariff Commission has sent the oxalic acid tariff report to the President. The present tariff is four cents per pound and the application was for an increase to six cents. It is reported that the commission has recommended that this increase be granted.

Attorney General Stone has before him for consideration the report of an investigation of Allied Chemical and Dye Corp., made by the Department of Justice. The fact is construed in connection with the announcement of a complaint made against Allied Chemical and Dye Corp. by the Federal Trade Commission. The attorney general said that he had not yet had time to consider the report.

Gas Tank Recharging Co. has been awarded the contract by the Bureau of Supplies & Accounts, Navy Department, for furnishing 100,000 pounds of nut size calcium carbide at \$4,020, bids for which were received on Dec. 16. The bureau will receive bids on Jan. 6 for 25,000 pounds of titanium oxide pigment.

The Tariff Commission will issue the dye sales figures for the first nine months of this year about Jan. 1. At the same time a statement will be made public relative to the 1924 dye census of production.

The Chemical Warfare Service, Edgewood Arsenal, Md., will receive bids until Jan. 6, for 25 tons of titanium tetrachloride, as per Circular E.A.P. 29.

Vietor Color Corp. has been incorporated under the laws of New York by C. L. Vietor, W. Hosken and P. C. Shannon for the manufacture of leather dressings.

WHO'S WHO— in the Chemical Industry

Richard C. Anthony, sales mgr. **Henry W. Peabody & Co.**, New York. Born, Netherwood, N. J., Dec. 21, 1889. Mar., Florence Knight, Glen Ridge, N. J., Apr. 29, 1916. Educat., Public school in America and abroad. Business: Phosphate Mining Co., Nichols, Fla., 1909-13; salesman, Peters, White & Co., N. Y., 1913-17; Lieut. F. A., U. S. A., A. E. F., 1917-19; sales mgr., Henry W. Peabody & Co., 1919 to date. Member: Charter member Salesmen's Assn., Amer. Chem. Ind., Montclair Athletic Club, Glen Ridge Club, Druachem Club. Hobbies, Horseback riding, tennis.

John Townsend Baker, pres. **J. T. Baker Chem. Co.**, Phillipsburg, N. J. Born: Orange, N. J., June 30, 1860. Mar.: Isabella Fisher, Scranton, Pa., Dec. 31, 1890. Educat.: Lafayette College, B.S. 1882, M.S. Business: pres. **J. T. Baker Chem. Co.** 1904 to date. Member: Chemists Club, N. Y., Amer. Chem. Soc., Amer. Inst. Chem. Eng., Kiwanis Club. Hobbies: golf and fishing.

Carl Shelley Miner, dir. **Miner Laboratories**, Chicago. Born, State Center, Ia., Aug. 5, 1878. Mar., Alice Reed Dunshee, Cedar Rapids, Ia., Jan. 10, 1912. Educat., Univ. Chicago, B.S. '03. Business: Organized Miner Labs., 1906. Member: City, Union League, Chemists Clubs (Chgo.), Phi Delta Theta. Hobby, rock gardening.

Harold J. Rolls, pres., **Rolls Chemical Co.**, Buffalo, N. Y. Born, Farnham, Eng., Mar. 3, 1889. Mar., Helene L. Lewis, Buffalo, N. Y., Aug. 4, 1915. Educat., public schools. Business: Asst. purchasing agt., Spencer Kellogg & Sons, Buffalo, 1909-13; salesman, Terbentine Co., Phila., 1913-15; broker in chem. and oils in Buffalo, 1915-24; organized **Rolls Chem. Co.**, 1924. Member: Paint, Oil & Varnish (pres. 1922), Athletic, Players and Rotary Clubs, Buffalo; Am. Chem. Soc., Mason, Knight Templar. Hobbies, golf, pensketching, and amateur theatricals.

Theodore Winthrop Sill, secy. and treas. **E. C. Klipstein & Sons**, New York. Born, Rochester, N. Y., July 22, 1889. Mar., Estelle A. Davis, Winchester, Mass., June 21, 1919. Educ., B. S. Princeton, 1911. Business: 1912-1917, mgr. Brills Ferry Chem. Co., Edgewater, N. J.; from 1919 secy. and treas. **A. Klipstein & Co.**; from 1920 director **Westvaco Chlorine Products Co., Inc.**; major Chem. Warfare Service, A. E. F. Member: Princeton Club (N.Y.), Amer. Chem. Soc. Was member of the Inter-Allied Mission to inspect and study German chemical factories in occupied areas shortly after armistice. Hobbies, Princeton affairs, athletics.

Franklin Humphrey Warner, pres. **Warner Chemical Co.**, N. Y. Born, New York, June 6, 1875. Mar., Estelle Dunn Hynes, Los Angeles, April 25, 1899. Educat.: Oberlin College, Sc.B. 1898, A.B. 1902. Business: **Warner Chem. Co.**, secy. and treas., 1899-1923; pres. 1924; **Westvaco Chlorine Products Co., Inc.**, treas. 1916-1922; vice-pres. 1922 on. Member: Chemists Club; University Club; N. Y. Chamber of Commerce; Congregational Club of N. Y.; Electro-Chem. Soc. Cooperated with the United States Government in manufacture of war chemicals and installed the 100-ton chlorine plant at Edgewood Arsenal. Hobbies: Shooting, motoring, photography, out-door sports.

FALKINGHAM SUES ALKALI EXPORT ASSN.

Asks \$1,125,000 Damages in U. S. District Court Under Sherman Law—Charges Monopoly—Members Also Made Defendants

United States Alkali Export Association, and its various component companies, have been made defendants in a suit for \$1,125,000 damages under the Sherman Anti-Trust Law, brought in the United States District Court, New York, by Percival E. Falkingham, New York chemical dealer. The plaintiff charges it in eight counts with being an unlawful combination and conspiracy in restraint of trade in caustic soda and soda ash and with being a monopoly. The association is charged with restraining trade of competitors, artificially controlling prices, refusing to sell to competitors for export, acting indirectly through agents to prevent competitors from fulfilling contracts and thus causing heavy damages, refusing to sell to anybody who might resell to competitors, fining such of their members as did sell to competitors except under specific conditions which were in restraint of trade. The plaintiff claims that because of these practices his business was damaged to an extent exceeding a million dollars. The defendants named are: United States Alkali Export Assn., Inc., Solvay Process Co., Diamond Alkali Co., Michigan Alkali Co., Mathieson Alkali Works, Hooker Electrochemical Co., Pittsburgh Plate Glass Co., Pennsylvania Salt Manufacturing Co., Warner Chemical Co., Westvaco Chlorine Products, Inc., Isaac Winkler & Bro. Co., Eli Winkler, Horace G. Carroll, Harry M. Hooker, Ernest V. Finch, Irving H. Taylor, Frederick G. Lancaster, Charles M. Butterworth, A. Kienle and John A. Chew.

NITROGEN COMPOUNDS VALUED \$30,000,000

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 24.—Nitrogen and fixed-nitrogen compounds to the value of \$30,682,636 were produced for sale by establishments engaged primarily in the manufacture of chemicals, in 1923. This total represents an increase of 58.2 per cent compared with \$19,392,126 in 1921, the last preceding census year. These figures, however, do not include data for certain classes of nitrogen compounds, namely, the alkaloids, coal-tar crudes, intermediates, and dyestuffs, nitrocellulose plastics, rubber substitutes and explosives, says the Census Bureau.

The total for 1923 was made up as follows: Anhydrous ammonia, \$6,414,667; other ammonium compounds, \$6,378,554; cyanogen compounds, \$8,724,913; nitric acid, \$2,741,414; nitrous oxide, \$730,644; and nitrogen and derivatives (not including alkaloids, coal-tar products, etc.), \$5,692,444. In addition, nitrogen and fixed-nitrogen compounds are made to some extent as secondary products by establishments engaged primarily in other industries.

Total shipments of more than 40,000 tons of sulfur were booked by Freeport Sulphur Co. for December. The shipments began moving out of Freeport early in the month, and the last loadings will take place about Dec. 25. It is the biggest movement of sulfur ever made out of Freeport in a single month. Most of the shipments are destined to France and Germany, a few cargoes being consigned to Philadelphia and Baltimore. The Freeport Sulphur Co. plans to increase the operation of its mines here during the coming year.

Roessler & Hasslacher Chemical Co., Philadelphia, has received a contract for a quantity of strontium peroxide for the local Frankford Arsenal at \$2 per lb.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 1930-1932

PRUSSIATES HIGHER; CORNER ATTEMPTED

Spot Goods Concentrated in Few Hands—Alum Potash Higher—Arsenic Weak—Barium Carbonate Shaded Further—Copper Sulfate Steady—Potash Carbonate Scarce on Spot—Potassium Perchlorate 10½c lb.—Soda Bichromates Easier—Sodium Nitrite Shaded—Market Generally Firm But Very Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Sodium Prussiate, Dom., ½c lb.	Sodium Prussiate, Imp., ½c lb.
Declined	
Sodium Nitrite, ½c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial...lb.	\$1.11	\$1.11	\$1.11	\$1.23½	\$1.19½	\$1.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	15.00	\$5.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.70	2.80	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.25	9.50	1.80
Copper Sulfate, c/l 100lbs.	4.60	4.60	4.60	4.60	20.00	4.50
Potash Caustic, Imp....lb.	.07½	.07½	.07½	.06¼	.87	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate..lb.	.08¼	.08¼	.08¼	.09½	.65	.06¼
Sodium Prussiate, Imp..lb.	.09¼	.09	.09¼	.11¼	1.25	.18
Average	2.921	2.921	2.916	2.964	10.79	2.99

While actual spot business to consumers remained at a standstill, considerable flurry was caused by attempts to strengthen markets on certain products when practically no demand from consumers exists. Prussiates, which for the past few weeks have been reported to be firmer abroad, caused the greatest interest during the week. While actual demand from consumers remains at a low point, still an attempt to corner spot goods is reported to have been started about three weeks ago, and appears to have been successful in moving stocks into strong hands. The market abroad is no doubt considerably firmer and in some quarters shipment is quoted at 9c lb. for sodium while other factors state that quotations have been refused. This is said to be due to the fact that the foreign producers are oversold, exchange is higher, and also that consumption abroad has increased. An attempt has been made also to strengthen arsenic, but thus far this has not been reflected in the actual market. Producers in this country have been reported to have abandoned refining flue gas as a source of arsenic since the prices received in the market will not pay their costs. Large supplies of both domestic and imported are available and the market still remains in a doubtful state with not much buying foreseen during the coming season owing to the very large carry-over of calcium arsenate from last year. Prices generally were firmly maintained on practically all products, although some lots of distressed material were reported to have changed hands at lower levels. Copper sulfate continued in a strong position, but prices remained unchanged. Imported potash alum has been advanced.

Acid Acetic—Steadily increasing demand reported owing to increasing activities in textile mills. Very firm at recent levels with higher prices anticipated after the turn of the year owing to increasing strength of raw materials. Manufacturers quote \$3.12@3.37 for 28%; \$5.85@6.10 for 56%; and \$11.01@11.76 for the glacial product as to seller and quantity.

Acid Formic—Steady demand reported at recently lowered prices of 10½c@11c lb. for the 85%, and 11½c@12c lb. for 90% material.

Acid Lactic—Quiet market reported over the past week. Prices holding steady at recent advance, and makers quote for 22%, 5½c@6c lb. for dark, and 6½c@7c lb. for the light; for 44%, 11½c@12c lb. for dark, and 13½c@14c lb. for light; for 66%, 18½c@19c lb. for dark, and 28c@30½c lb. for light.

Acid Oxalic—Continues to move in a fair way at unchanged quotations which are being steadily maintained in most quarters, although slightly lower prices have been reported.

Acid Phosphoric—Continues quiet on spot with large supplies reported available. Contract business for the coming year reported satisfactory. Makers quote 7c@8c lb. for the 50%, and 15c@17c lb. for 85% syrupy.

Acids Mineral—Dull on spot with forward business reported being closed in increasing amounts.

Alum Potash—Imported material higher owing to higher quotations from abroad. Now quoted at \$2.60@2.85 as to seller and quantity.

Ammonium Chloride—Demand for immediate delivery over the past week reported dull. Prices holding at 7½c@8c lb. for white domestic, and 8c@8½c lb. for gray. Imported named at 6c@6¼c lb. for white, and 7¼c@7¾c lb. for gray.

Ammonium Sulfate—Makers report shipments very satisfactory at recent levels of \$2.75@2.80 per 100 lb. in carlots at works.

Arsenic—Although bullish reports have been heard in an attempt to strengthen the market they appear to be unwarranted. Supplies on spot are very large and some domestic manufacturers are claimed to have ceased recovery from flue gas saying that the market price is not sufficient to pay costs. Japanese is reported firm at 6c lb. in some quarters, but the general opinion is that quotations at the present time do not make the market since no business is being transacted at quoted prices. The German product has declined from 9c lb. to 6c lb. within the past few weeks. The market is in a very weak condition. Quoted nominally at 6¼c@6¾c lb. spot, although shading is likely on firm offers.

Calcium Arsenate—Continues dull with buying at a standstill and the outlook rather doubtful. Goods are named at various prices starting at 7c lb. Manufacturers have large stocks on hand and do not foresee any great demand in the near future.

Barium Products—Chloride and carbonate remain in a very weak condition owing to large stocks available and absolute lack of demand. While quoted prices continue at recent levels sales are reported in many instances at lower levels, although the present state of the market is due entirely to distressed material. Chloride named at \$61.00@63.00 per ton spot with \$60.00 reported done. Carbonate continues to be quoted at \$52@54 per ton spot with material reported offered at \$50 with evidence of shading.

Bleaching Powder—Spot business at standstill and buyers have evidently taken in all the goods that can be carried over the inventory period since makers have

material available that they are willing to ship at 1924 contract prices when the higher prices could be obtained by holding the goods until after the first of the year. Prices on contract for 1925, \$1.90 for carlots of large drums; l.c.l. \$2.05; spot works price 10c above contract price.

Copper Sulfate—Prices remain at former levels in spite of the higher quotations for imported material. Domestic manufacturers name \$4.60@\$4.65 in carlots, and odd lots continue to be obtainable as low as \$4.40. Imported is not being offered since present quotations from abroad figure a price of \$5.00 on this side.

Copperas—Steady demand reported by makers who quote, \$13.00 ton bulk, \$16.00 bags, and \$17.00 barrels, for carlot quantities.

Lead Salts—Moving in increasing quantities at recently advanced prices owing to steadily increasing quotations on the metal. Litharge now quoted at 11 $\frac{3}{4}$ c lb.; white sulfate, 10c lb.; white lead, 10 $\frac{1}{2}$ c lb.; red oxide, 12 $\frac{1}{4}$ c lb. in 500-600 lb. barrels; prices in kegs are 1 $\frac{1}{4}$ c lb. higher.

Potash Carbonate—Very firm owing to scarcity of many grades on spot. Holders naming 5 $\frac{3}{4}$ c@6c lb. for 80-85% calcined; 6 $\frac{1}{4}$ c@6 $\frac{3}{4}$ c lb. for 96-98% calcined.

Potash Caustic—Continues to move in fair volume at unchanged levels of 7 $\frac{1}{4}$ c@7 $\frac{1}{2}$ c lb.

Potassium Perchlorate—Stocks of this material are held by a few strong hands. No further shipments from abroad are expected until late in next year. One holder offering goods to consumers at 10 $\frac{1}{4}$ c lb.

Prussiates—Very firm and higher in price due to reported refusal of quotations from abroad in some quarters and higher quotations for shipment in others. Spot market fairly well cleaned of distressed material and although last week's prices are said to have been done a few days ago it is not certain that they could be repeated. The future of the market depends upon the foreign market holding firm. Supplies on spot are large, but are held by a very few strong hands. Importers name 17c@17 $\frac{1}{4}$ c lb. spot for potassium and domestic is quoted at 17c@17 $\frac{1}{2}$ c lb. works. Sodium is quoted at 9 $\frac{3}{4}$ c@10c lb. spot, with domestic named at 9 $\frac{1}{2}$ c lb. at works.

Soda Ash—Spot business quiet; contract business reported in very large amounts. Prices on contract, 58% light, \$1.25, bulk; \$1.38, bags; \$1.63, barrels, carlots, works.

Soda Caustic—Situation unchanged; contract prices \$3.10 for carlots of solid 76% at works. L.c.l. spot, \$3.76 @ \$3.91 for solid, and \$4.16@\$4.31 for flake.

Soda Bichromate—Remains quiet at recent levels of 6 $\frac{1}{4}$ c@6 $\frac{1}{2}$ c lb. with shading to 6 $\frac{3}{4}$ c lb. reported, and as low as 6c lb. said to have been done for export.

Sodium Nitrite—Easier and shaded to 9c lb. with slightly lower reported for imported.

H. J. Baker & Bro. won a protest before the Board of General Appraisers to the effect that Benzoic acid falls under the classification of the Tariff Act of 1913 and is dutiable at 15 per cent, instead of being classified under the act of 1916 and dutiable at 30 per cent.

New rates on sulfate of ammonia in carload lots from Utica, N. Y., to stations on the Boston and Albany Road have been fixed at 25 cents, a reduction of 3.5 cents per hundredweight, effective Dec. 5.

Messrs. Aikman, Ltd., London, report the total amount of nitrate in sight on Nov. 30 as 1,644,000 tons against 1,561,500 a year ago.

FRENCH SULFURIC COMPETITION STRONG

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, France, Dec. 13.—Business is still very active in the main branches of the French chemical market. Mineral acids are in steady demand, notably sulfuric, the prices of which, however, owing to the keen competition between the Kuhlmann and St. Gobain interests, are still 16 francs per 100 kilograms in the north of France, and at 18 francs in the Paris district. The demand for nitric acid of local production is small, and stocks are accumulating at an alarming rate owing to the competition of German nitric acid which is swamping the market at the present time.

In the secondary chemical market business is not so brisk, although prices are considered as reasonable under existing conditions. Buyers are living from hand to mouth and will not stock up with the exchange situation in its present uncertain state. The principal quotations on the French market are as follows (per 100 kilograms):

	Francs
Sulfuric acid, 53°	18.00
Nitric acid, 36° yellow	160.00
Ammonia, 22°	125.00
Acetic acid, 40%	270.00
Boracic acid, cryst.	425.00
Phenic acid, cryst.	650.00
Bichromate of soda	335.00
Bichromate of potash	485.00
Nitrate, soda	105.00
Nitrate, copper	225.00
Sulfate, copper	196.00
Sulfate, iron	26.00
Sulfate, soda	29.50

ENFORCES TAX ON GERMAN GOODS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

London, Dec. 13.—Business in industrial chemicals has shown some improvement. The general tone keeps very steady although there has been a continuance of price cutting in some directions. The trade agreement between Germany and Great Britain is not likely to have any immediate effect on the chemical market. The reparation levy of 26% continues in force, the British Government refusing to withdraw it.

Acetic acid remains very flat with prices unsteady, £41 to £43 for 80%, and £67 10s for glacial, spot.

The position of arsenic shows a little improvement. Cornish white powdered is now down to about £32 per ton, f.o.r. mines and some business has been done. Japanese offers are dearer at £31 per ton, c.i.f.

Formaldehyde remains neglected with offers free in the region of £48 10s per ton for 40% volume.

Lead products have all advanced with the price of metal and are very firm.

Oxalic acid continues sluggish at 3 $\frac{3}{4}$ d to 3 $\frac{7}{8}$ d per lb.

All potash products are active and most are dearer. Permanganate has just been cabled from the Continent at a penny advance which will make the price here, duty paid, at least 8d per lb. Carbonate is also up about £1 per ton, 90-92%, £23 5s; 96-98%, £25 5s per ton. Caustic is firm at £31 10s per ton. Yellow prussiate active at 7d per lb.

There will be no change in British makers prices for soda products up to the end of the year.

Carl O. Lind, for the past two years connected with the editorial staff of DRUG & CHEMICAL MARKETS, is now connected with the sales department of the New York branch of Dow Chemical Co.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1938

MANUFACTURERS SHADING PARA-TOLUIDIN

Poor Request Sharpens Competition—Aniline Oil Continues Firm—Dimethylaniline Lower—Para-nitroaniline Weak—Strong Undertone in Beta-naphthol—Diethyl-aniline Steady—Intermediates Fairly Firm—Crudes Unchanged—Benzol Steady—Pyridine Very Weak—Phenol Steady—Cresylic Acid Weak—Spot Demand at Standstill

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined		No advances.	
	Dimethylaniline, 3c lb.		Para-toluidine, 5c lb.			
	Today	Last	Today	Last	Today	Last
Benzene, pure	gal. \$25	\$23	gal. \$25	\$23	gal. \$20	\$10
Naphthalene, flake	lb. .05½	.03½	lb. .05	.05	lb. .06½	.16
Phenol, Spot	gal. .24	.24	gal. .26	.26	gal. 1.50	.08
Toluene	gal. .26	.26	gal. .23	.23	gal. .10½	..
Aniline Oil	lb. .16	.16	lb. .16	.16	lb. 1.40	..
Alpha-naphthylamine	lb. .35	.35	lb. .35	.35	lb. 1.28	..
Benzaldehyde	lb. .70	.70	lb. .75	.75	lb. ..	..
Betanaphthol	lb. .24	.24	lb. .26	.26	lb. 1.50	.08
Dimethylaniline	lb. .34	.35	lb. .30	.30	lb. 1.30	..
Paranitroaniline	lb. .66	.66	lb. .73	.73	lb. 1.58	.18
Average	0.325	0.326	0.327	0.343	..	..

Spot business in practically all intermediates and crudes remains at a standstill. Some exceptions are noted, however, such as ortho-toluidine where the demand is due to new uses for the product. Manufacturers continue to hold prices at recent levels in the great majority of cases and present indications are that they will succeed in holding firm until the turn of the year presents definitely the conditions for the coming year. In some instances manufacturers are desirous of raising a price and others they would lower; but during the contract period raising a price would mean losing orders, and lowering one openly would not be as desirable as making it appear to the consumer that a special concession had been made in his case. Crudes remain in exactly the same situation that they were in last week. The production of benzene has not as yet increased to an extent great enough to affect the market. Phenol and pyridine continue weak due to poor demand.

Crudes

Benzene—While a slight slackening in demand has been noticed over the past week still shipments were reported fair. Coke oven operation has not as yet increased to any appreciable extent and consequently benzene production has not registered any great improvement. Shortly after the turn of the year an increase of production is certain due to the steel mills consuming coke at a much faster rate than it is being produced. This will bring a flood of benzene on the market at a time when the demand is slowest due to gasoline consumption being low in the Winter season. Pure is quoted at 25c gal. in tanks at mills, and 30c gal. in drums; 90° 23c gal. in tanks, and 28c gal. in drums.

Cresol—U.S.P. product weak owing to poor request and large supplies available. Quoted at 18c lb.

Creosote Oil—Poor demand reported and holders quote 24c gal. in 50 gal. drums.

Naphthalene—Firm market being maintained in spite of poor demand. Odd lots that were to be had at lower prices have been taken off the market and refiners are quoting prices to apply over the coming season for which contracts are now being closed. Flake is quoted at 5½c@6c lb. as to quantity; balls, 6½c@7c lb. in barrels.

Phenol—Demand not very active but supplies are not over plentiful. A steady position is being maintained by producers. Quoted by both first hands and resellers at 23c@26c lb. as to packing; 23c lb. in indestructible drums, and 24c@25c lb. in destructible drums.

Pyridine—Continues weak due to continuation of warm weather. Prices range from \$3.70 to \$4.00 per gal. with few sales reported. Shipment is named at as low as \$3.50 per gal. A slight demand will doubtless strengthen the market to a great extent.

Solvent Naphtha—Demand quite sufficient to absorb all supplies although an increase in coking operations will doubtless bring about a lower price.

Intermediates

Acid Anthranilic—Continues to move in a routine way at makers' price of 94c lb. for technical in drums.

Acid Cleve's—Fair demand reported by manufacturers at unchanged quotations of \$1.00@\$1.05 lb.

Acid Gamma—In slight demand over the past week at recent levels of \$1.40@\$1.50 lb. from makers.

Acid N. & W.—Regular routine request reported at unchanged quotations of \$1.10@\$1.25 lb. from manufacturers.

Aniline Oil—Decided decline in shipments reported by makers who say that for several weeks following election deliveries were being made at a rate equal to that of 1919. Contracts are being closed at recent levels of 16c@17c lb. Although raw materials are higher a price advance is not likely to be made until after the turn of the year, and since contracts form the greater part of the business in this item it is doubtful if it will prove of much value to manufacturers.

Beta-naphthol—Contract business is being taken on in this item at increasing rates. A strong undertone seems to be present although spot business is only for immediate requirements, and a return to recent higher prices would not be surprising soon in the coming year. Material on contract in less than carlots is named at 24c lb.

Diethylaniline—Continues to move in fair volume at recent prices of 60c@62c lb.

Dimethylaniline—Slightly lower in price owing to easing off in demand, and now quoted at 33c@36c lb. in 400 lb. drums.

Ortho-nitrotoluene—Some manufacturers continue to deliver their total output for use in an anti-knock compound. Material remains available in other quarters at 8c@9c lb.

Nitro-benzene—Remains quiet at unchanged quotations of 9c@9½c lb. for crude, and 9½c@10c lb. for redistilled in 1,000 lb. drums at works.

Ortho-toluidine—Very firm at recent advance and active spot demand reported by makers, who name 17c @18c lb. in 350 lb. barrels.

Para-nitraniline—Poorer grades in slight request at unchanged prices of 66c@67c lb. although rumors of sales made below these levels were heard. Higher grade for the lake trade very firm.

Para-phenylenediamine—Sharp decline in demand which has been very satisfactory for the past month. Prices remain at recent levels of \$1.25@\$1.30 lb. in 350 lb. barrels from makers.

Para-toluidine—Lower in price in practically all quarters owing to very slack demand. Makers now quoting 70c@80c lb. in 350 lb. barrels.

EXPECT A NEW ANGLO-GERMAN DYE PACT

Commenting on the failure of the British Government to approve the Anglo-German dye pact, the "Deutsche Bergwerks Zeitung" (Essen), Oct. 26, comments as follows:

"Reasons that the English Government objected to an agreement between the I. G. and the British Dyestuffs Corp. (Ltd.), are because German chemists, who evolved dyestuffs intermediates during the war, not only gave great stimulus to dyes production, but thus contributed to the production of high-powered explosives. Insofar as dyes production goes hand in hand with that of explosives and poisonous gases, the Dyestuffs corporation was formed in England after the war, with State help, to give England an instrument to supply it with war materials in case of war, as well as to cover needs of its textile industry in time of peace. The business administration, however, worked without sufficient scientific backing, so that losses and failure to declare dividends were the result. After an existence of three and a half years, the British Dyestuffs Corp. was convinced that a community of interests with a highly developed Germany industry would be welcome. This was disapproved by the English Government, and at the same time, the Dawes conference in London required German deliveries of reparations dyes to be continued three and a half years after their peace treaty limit, i.e. Jan. 10, 1925."

"Die Metallboerse" (Berlin), Oct. 22, prints correspondence intimating that another Anglo-German dye pact may be drafted to replace the one already vetoed by the British Government: "The (British) Government, through Commerce Minister Sydney Webb, replied in writing to an inquiry addressed to it: 'The administrative council of the British Dyestuffs Corp. has been informed that the Government was obliged to exercise its veto right on the proposed agreement with the I. G.' This answer, however, offers another alternative course, according to our opinion. The British Government, to be exact, has only repudiated the agreement in its present form. It might not discredit another treaty that would be acceptable to it. That which apparently disquiets the English Government is that such a community would give the British Dyestuffs Corporation a sales monopoly in England, the monopolistic price development smoothing the way to this."

Stanley H. Rose has resigned as foreign sales manager of Barber Asphalt Co., Philadelphia, to become Eastern sales manager for American Creosote Works, New Orleans. He will also act as general sales agent for Savannah Creosoting Co., Savannah, Ga.

California Salt Co., San Francisco, is erecting a new refining plant at a cost of \$260,000 and will place it in commission early in February. It will have a capacity of 60,000 tons per annum.

TANNING PRODUCTS WORTH \$35,971,612

Chestnut and Quebracho Show Large Increase In Output In 1923 Compared With 1921

Washington, D. C., Dec. 24.—Establishments engaged primarily in the manufacture of tanning materials reported products valued at \$35,971,612, an increase of 27 per cent compared with 1921, the last preceding census year, according to the Census Bureau. The values of the major groups of products as reported for 1923, with their percentages of increase or decrease compared with 1921, are as follows: Tanning materials (not including those made and consumed in the same establishments), \$14,970,095, 26.2 per cent increase; sizes, \$8,966,619, 26.5 per cent increase; natural dyestuffs, \$2,649,623, 34.6 per cent decrease.

Of the tanning materials produced for sale, the most important were chestnut and quebracho. For the former there was reported a production of 433,512,000 pounds, valued at \$8,410,259, an increase of 73.2 per cent in quantity and 41.9 per cent in value as compared with 1921; and for the latter, 103,981,000 pounds, valued at \$3,349,472, an increase of 58.6 per cent in quantity and 36.9 per cent in value.

	1923	1921
Extracts:		
Logwood .....pounds	18,165,884	21,519,582
value	\$1,684,182	\$2,400,172
Fustic .....pounds	4,022,910	4,479,993
value	\$323,602	\$489,800
Quercitron .....pounds	5,647,784	2,193,591
value	\$322,699	\$194,059
Brazilwood & other redwoods.pounds	940,163	1,616,706
value	\$120,897	\$130,125
Cutch .....pounds	508,295	\$12,377
value	\$38,597	\$67,601
Other extracts .....value	\$128,938	\$468,905
Ground, chipped or dry natural dyestuffs .....value	\$30,708	\$351,919
Tanning Materials Produced for Sale		
Total value 1923	\$14,970,095	\$11,866,290
Extracts:		
Oak .....pounds	11,721,746	10,977,920
value	\$454,284	\$428,175
Liquid .....pounds	7,625,819	8,009,778
Solid .....pounds	4,095,927	2,968,144
Chestnut .....pounds	433,511,776	250,263,280
value	\$8,410,259	\$5,927,103
Liquid .....pounds	321,154,855	145,937,290
Solid .....pounds	112,356,921	104,325,990
Hemlock .....pounds	9,316,166	9,394,230
value	\$287,135	\$347,089
Liquid .....pounds	7,369,425	9,073,624
Solid .....pounds	1,946,741	320,606
Quebracho, liquid .....pounds	103,980,869	65,564,005
value	\$3,349,472	\$2,447,081
From the wood .....pounds	61,685,845	
From solid extract .....pounds	42,295,014	
Sumac .....pounds	6,112,229	5,030,304
value	\$309,379	\$345,811
Liquid .....pounds	5,040,789	2,621,004
Solid .....pounds	1,071,440	2,409,300
Gambier .....pounds	1,159,781	548,610
value	\$62,847	\$29,927
Liquid .....pounds	758,853	235,308
Solid .....pounds	400,928	310,302
Other tanning extracts and blends .....pounds	33,181,813	8,546,198
value	\$863,942	\$316,373
Other tanning materials:		
Chrome tanning solutions .....value	\$1,096,142	
Ground bark and other tanning materials .....value	\$136,685	\$2,024,781

DEMAND FOR SUMAC HOLDS FIRM

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Palermo, Sicily, Dec. 13.—The demand for Sicilian sumac continues strong, and the product of the new harvest is coming in slowly, owing to the policy of the producers to place only small quantities at the disposal of buyers in order to hold prices firm. Following are the quotations per 100 kilos: Masculine sumac, 270 to 275 lire; sumac for grinding, 260 to 270 lire; female sumac, 220 to 225 lire, for goods delivered at works per Palermo and Catania.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1955

DEALERS SHADE CHINAWOOD OIL ON SPOT

Large Stocks on Hand Force Liquidation—Corn Oil Higher—Cottonseed Oil Advances—Linseed Oil Steady—Palm Lagos Easier—Palm Niger Firmer—Market Very Firm Owing to Optimism of Dealers—Fish Oils Strong—Cod Oil Up—Animal Oils Firmer—Oleo Oil Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Cod Oil, Newfoundland, 2c gal.	Greases, 1/4c to 3/4c lb.	Oleo Oil, No. 1, 1/4c lb.	
Corn Oil, refined, 3/4c lb.	Palm Oil Niger, 3/4c lb.	Palm Lagos, 3/4c lb.	
Corn Oil, crude, 3/4c lb.	Perilla Oil, 3/4c lb.		
Cottonseed Oil, crude, 3/4c lb.	Red Oil, 3/4c lb.		
Cottonseed Oil, P.S.Y., 3/4c lb.	Stearic Acid, 3/4c lb.		
Cottonseed Oil, Winter yellow, 3/4c lb.	Tallow, City extra loose, 3/4c lb.		
Chinawood Oil, 3/4c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$0.62	\$0.62	\$0.62	\$0.67	\$1.26	\$2.23 1/2
Degras, American, bbl.lb.	.04 1/4	.04 1/4	.04 1/4	.04 1/4	.23	.03 1/2
Lard No. 1.....gal.	.93	.98	.98	.79	2.90	.92
Menhaden, crd. tks.....gal.	.58	.57 1/2	.57 1/2	.50	1.20	.33
Neatsfoot, 20 deg. c.t.gal.	1.39	1.35	1.35	1.33	3.45	.95
Red Oil, distilled.....lb.	.10 1/4	.10 1/4	.10 1/4	.08 1/2	.17	.07
Stearic Acid, T. P.....lb.	.14 1/2	.14 1/2	.14	.13	.33	.12
Coconut, Ceylon, bbls.....lb.	.11 1/4	.11 1/4	.11 1/4	.10	.90	.14
Cottonseed, crude, tks.....lb.	.06 1/2	.06 1/2	.06 1/2	.05 1/4	.25	.08
Linseed, crude.....gal.	1.13	1.13	1.10	.92	1.85	.57
Olive, denatured.....gal.	1.30	1.30	1.30	1.10	4.50	1.05
Peanut, refined.....lb.	.17	.17	.17	.16	.30	.98
Soya Bean, bbls.....lb.	.14	.14	.14	.11	.19 1/2	.07
Average.....	0.524	0.521	0.511	0.462	1.20	0.362

A broad upward movement took place in the market for fixed oils during the week. Advances were not confined to any particular group of products, but were reported in vegetable, animal and fish oils. Other products with a few exceptions remained firm at former levels. Chinawood oil eased off on spot due to large supplies on hand and slackening in demand. Oleo oil was lowered further during the week in an attempt to move stocks. The fact that prices are advancing at a time when movement is slowest is probably due to optimism among dealers who can see nothing but prosperity and higher prices for the first quarter of the new year at least, which they are discounting in advance. The amount of business transacted during the week certainly does not warrant such a bull movement, but practically all business is being carried on between dealers, although quite a large number of consumers are coming quietly into the market in an attempt to cover their requirements before the activity that is predicted after the turn of the year sets in. Fish oils are reported to have been moving in an unusually large volume for this time of year and only a slight decline is noticed from November shipments. Animal oils are showing increasing strength week after week and factors continue to report a sold-up condition in all items except oleo oil. Dealers believe they have only to hold firm about two weeks more and a real upward movement will take place.

Vegetable Oils

Castor Oil—Continues to move in a routine way at recent levels of 17 1/2c lb. for No. 1, and 17c lb. for No. 3.

Chinawood Oil—Eased off further on spot owing to continued liquidation of large stocks on hand. Now quoted at 15 1/2c@15 3/4c lb., spot, and 15 1/4c@15 1/2c lb.

INDUSTRIAL CHEMICAL SECTION

for December forward arrivals. Stated in some quarters that if it breaks much further it will be an exceptionally good buy as a much higher price is foreseen for the last half of January.

Coconut Oil—Prices firm due to continued scarcity of spot stocks. Quoted at 11 1/4c@11 1/2c lb. as to seller and quantity for Ceylon in barrels, and 10c lb. in tanks. Cochin holding at 12c@12 1/2c lb. in barrels, and 11 1/4c@11c lb. in tanks. Manila, tanks, New York, 10c lb., and 9 1/4c lb. at the Pacific Coast.

Corn Oil—Further advances reported over the past week, and crude now quoted at 10 1/2c lb. in buyers' tank cars at mills, and 12c lb. in barrels. Refined material has advanced to 13 1/4c lb. in barrels.

Cottonseed Oil—All three grades very firm at higher prices. Crude is now held at 10c lb. in tanks at mills; P.S.Y. is named at 11 1/4c@12 1/4c lb. as to delivery position; and Winter yellow is quoted at 13 1/4c@13 1/2c lb. in tanks, and 14c lb. in barrels.

Linseed Oil—After another advance in quotations during the week, this product settled back to the same levels as were named by crushers a week ago. Business is reported as very quiet both for spot and future business. Prices named, Dec.-Feb. carlots, works, \$1.13; March-April, \$1.14; May-June, \$1.17. Five barrel lots are quoted at \$1.17, spot. Flaxseed markets registered a further advance during the week, and Winnipeg was higher at \$2.58 1/2 for December, and \$2.68 for January; Duluth was up to \$3.04 for December and January, and \$3.01 for May; Minneapolis advanced to \$3.03 for December and January, and \$3.04 1/2 for May; Buenos Aires was also higher at \$2.33 1/2. London linseed oil was quoted at an advance to 48s 6d per 112 lb., while Antwerp was higher at 115 francs per 100 kilos.

Olive Oil—Scarcity of supplies holds prices steady and dealers continue to quote \$1.30@1.35 for the denatured product.

Olive Oil Foots—Nothing to be had on spot and shipments for all nearly positions are firmly held at 10c lb. Quotations from Italy and Greece indicate a still higher price to consumers for new crop goods.

Palm Oil—Lagos slightly easier on spot and dealers now name 9 3/4c@10 1/4c lb. as to quantity. Niger slightly higher at 9c@9 1/4c lb. in casks.

Palm Kernel Oil—Holding steady at recent levels of 10 1/2c@10 3/4c lb.

Peanut Oil—Refined product reported firm at unchanged prices from dealers of 17c@17 1/2c lb.

Perilla Oil—Moving in a quiet routine way at 15c lb. in barrels.

Rapeseed Oil—Demand continues quiet but prices hold 99c@\$1.00 gal. for spot refined goods, with shipment slightly easier. Blown continues to be quoted at \$1.06@\$1.08 per gal.

Sesame Oil—Spot goods are entirely nominal as dealers report unsuccessful attempts to locate supplies. Shipment is not named for any position nearer than February and for then at 14 1/2c lb.

Soya Bean Oil—Moving only in fair volume with prices being steadily maintained by dealers who name for the crude 12 3/4c@12 1/2c lb. in tanks, and 13 1/4c@14c lb. in barrels. Refined steady at 14c lb.

Animal Oils

Greases—Advanced again by manufacturers who continue to report a sold-up condition. Choice white now quoted at 14c@14½c lb.; yellow higher at 9½c@9¾c lb.; brown up to 8¾c lb.; house advanced to 9¾c@10c lb.

Oleo Oil—A further reduction in price announced by producers in effort to move accumulating stocks. Quotations are now, for No. 1, 16¾c@17c lb.; No. 2, 15c@16c lb.; No. 3, 14c lb.

Red Oil—Increase in price announced by manufacturers owing to higher tallow prices that have been in effect some time. Very active demand reported for the coming year at new quotations of 11¼c@11¾c lb. for both distilled and saponified as to quantity.

Stearic Acid—A further advance announced by makers owing to still higher tallow prices. Now quoted at 13c@13½c lb. for double pressed, and 15c@15½c lb. for triple pressed, both distilled and saponified. Steady demand reported at new prices.

Tallow Oil—Makers announce another advance to 10½c lb. for city extra loose owing to demand being greater than production.

Fish Oils

Cod Oil—Moving in larger volume than is usual for December. Dealers announce higher prices and name 57c@58c gal. in tanks, and 62c@65c gal. in barrels.

Menhaden Oil—Holding steady at recent levels. Crude is not available. Light strained quoted at 70c@72c gal. in barrels; yellow bleached, 73c@75c gal.; extra bleached, 75c@77c gal.

Naval Stores

Turpentine—Sharply higher due to increased buying in anticipation of better conditions immediately after inventory period. Carlots, ex-yard, New York, now quoted at 86c gal.; steam distilled, 78c gal.

Rosins—Prices held steady over the week and the market is firm. Grades B to H remain at \$7.65 per 280 lb.; I, \$7.75; K, \$7.85; M, \$7.95; N, \$8.15; WG, \$8.95; and WW, \$9.50.

William Cooper Procter told the 400 managers of Procter & Gamble Co., at a meeting in Cincinnati, last week, that 1925 promised to be a prosperous year. Statistics given out by the company's research division show that the per capita consumption of soap throughout the United States is materially increasing. The family average consumption of toilet soap has increased from forty cakes per year to fifty per year. The increase is ascribed to public school hygienic work, and the "bath a day" movement.

Reliance Varnish Co., and B. G. Robertson and B. J. Robertson individually and as president and vice president of the company doing business in Louisville, Ky., have been ordered by the Federal Trade Commission to cease and desist from giving or offering to superintendents, foremen or other employees of customers or prospective customers, without their knowledge and consent, money or other things of value as inducement to purchase supplies from Reliance Varnish Co.

The Customs Service of the Treasury Department has before it for determination the proper classification of an oil mixture containing 95 per cent linseed oil and 5 per cent soya bean oil. The oil mixture is dutiable at 25 per cent ad valorem, according to the importers, under the classification of an oil mixture, while the Customs Service says it is dutiable at 3.3 cents per pound as linseed oil.

U. S. DOUBLES FLAXSEED CROP

Import Requirements Estimated at 7,500,000 Bushels—World Supply 132,867,000 Bushels

Washington, D. C., Dec. 24.—Despite a record-breaking crop of 30,000,000 bushels of flaxseed in the United States this year, import requirements will be about 7,500,000 bushels provided the consumption of flaxseed during the year beginning July 1, 1924, is equal to the average for the last two years, says the United States Department of Agriculture in a statistical analysis of available data.

The world supply of flaxseed this year promises to exceed that of any previous year in history, the report shows. Total production in 31 countries for which figures have been compiled is estimated at 132,867,000 bushels, compared with 124,732,000 bushels in 1923. The record-breaking crop in the United States this year, estimated at more than 30,000,000 bushels or nearly double production in 1923, will more than offset the decreased production reported for Argentina and India.

The five principal flax-producing countries this year are: Argentina, 52,359,000 bushels; United States, 30,652,000 bushels; India, 18,480,000 bushels; Canada, 9,751,000 bushels; and Russia, 11,000,000 bushels. The estimated combined production of these five countries is 122,242,000 bushels, or approximately 92 per cent of the world production. The figures for British India represent the crop harvested in 1924; for Argentina they represent the crop sown during 1924 and harvested in the latter part of 1924 and early part of 1925.

If United States requirements for the 12 months beginning July 1 of this year are equal to the average for the last two years, which amounted to 38,000,000 bushels, the United States will still have to import the equivalent of about 7,500,000 bushels of foreign flaxseed. The total imports of flaxseed and linseed oil, in terms of seed, from July 1 to October 31, 1924, amounted to 4,651,301 bushels, compared with 6,497,219 bushels during the corresponding period of last year.

OUTPUT OF COTTONSEED OIL INCREASES

Cottonseed crushed in the four-month period, Aug. 1 to Nov. 30, totaled 1,853,456 tons, compared with 1,567,672 in the corresponding period a year ago, and cottonseed on hand at mills Nov. 30 totaled 1,184,803 tons, compared with 803,947 on that date last year.

Cottonseed products manufactured in the period and on hand Nov. 30 included:

Crude oil, 551,378,263 pounds, compared with 459,998,884 and on hand 106,795,401 pounds, compared with 140,657,567.

Refined oil, 403,227,931 pounds, compared with 288,285,683, and on hand 140,114,657 pounds, compared with 98,131,160.

Exports of cottonseed products in the four-month period were: Crude oil 3,035,365 pounds, compared with 7,259,144; refined oil, 10,734,394 pounds, compared with 5,077,586.

The Customs Service of the Treasury Department has announced that sesame oil should be considered a chemical within the meaning of paragraph 1514 of the Tariff Act "and that iron or steel drums of either foreign or domestic manufacture containing such oil should be admitted to free entry under the conditions prescribed in the said paragraph."

A meeting of the board of directors of the National Association of Printing Ink Manufacturers, at the Hotel Pennsylvania, New York, on Dec. 18, was attended by George B. Graham, of San Francisco, Cal., who discussed the conditions in the industry on the West Coast.

Chemicals for Consuming Industries

Heavy Chemicals, page 1930, Tan and Dyestuff, page 1957, Fatty Oils, page 1955

BUYING FOR 1925 EXCEEDS THIS YEAR

Both Long and Short Term Contract Deliveries Over Next Year Show Expansion Over Demand at Close of 1923—Chemical Price Situation Reversed During Year

Placing of contracts for delivery over 1925, both short and long term deliveries, have shown a marked expansion over the business done just a year ago, according to most reports. Consumers of chemicals anticipate a more active 1925 than 1924, and have bought proportionately larger quantities. While last year most buyers looked with considerable misgiving on business prospects for 1924, there seems to be little doubt that 1925 is going to be a good year for most lines. In the course of the year, the price outlook in chemicals has switched completely around. A year ago, the stage was set for a gradual decline throughout most of the year, according to an analysis of the market then by DRUG & CHEMICAL MARKETS. Today, this position appears reversed, with prices low, costs still high, foreign competition somewhat lessened, and a slow rise during 1925 seems the logical outcome of this situation.

Agricultural Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$35.00	\$20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.70	2.70	7.75	2.65
Arsenic .....	.063/4	.063/4	.063/4	.14	.18	.04
Copper Sulfate .....100lbs.	4.60	4.60	4.60	4.60	20.00	4.50
Paris Green .....	.25	.25	.25	.25	.50	.11
Potash Muriate, 90%...ton	34.55	34.55	34.55	35.55		
Potash Sulfate, 90%...ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate Rock, 68%...ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16%...ton	9.50	9.50	9.00	8.00	21.00	15.00
Sodium Nitrate .....100lb.	2.45	2.45	2.42 1/4	2.52	5.00	1.90
Average	11.606	11.606	11.547	11.225	103.50	13.84

A quiet week was experienced by fertilizer dealers owing to spot business being practically at a standstill and orders for future delivery were not plentiful. Although potash prices are now guaranteed against decline until April, 1925, mixed fertilizer prices have not as yet been announced and dealers are anxiously wait-

ing for these. Better business is anticipated by dealers for the first quarter of the coming year.

Ammoniates—Dried blood slightly easier both at New York and Chicago, selling in both places for \$3.60 and 10c; steamed bone unchanged at Chicago, \$22@23, and raw, New York, up to \$37; dried fish scrap steady at recent advance to \$5.00 and 10c; acid scrap remains at \$4.00; tankage slightly lower at \$3.40 for ground, New York, and \$3.10 for high grade, Chicago.

Ammonium Sulfate—Contract orders in predominance in this material. Very scarce on spot. Prices firm at \$2.70@2.80, spot, works in bulk; double bags remain nominal at \$3.00 per 100 lb.; single bags still unchanged at \$2.90 per 100 lb. works.

Sodium Nitrate—No change in market. Price firm at \$2.45 per 100 lb., spot. Deliveries during Jan.-March \$2.47@2.50.

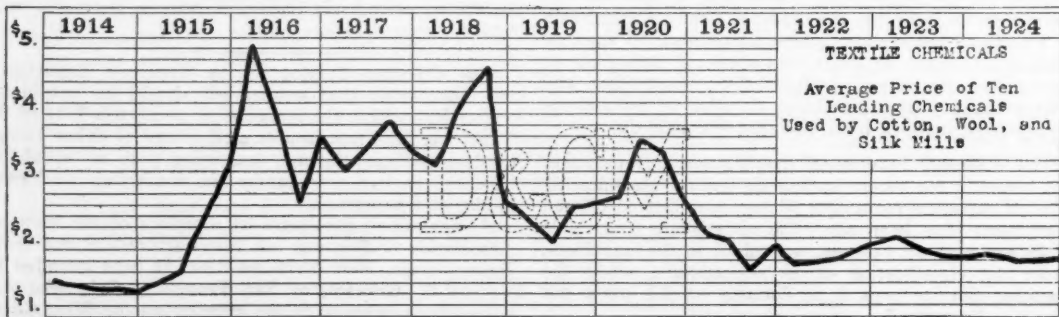
Potash Salts—These salts fairly active for future delivery due to the recent announcement of guarantee against price decline until April, 1925. Contract orders on the increase. Guaranteed schedule same as present schedule, muriate, 80% basis, \$34.55 per ton; sulfate, 90% basis, \$45.85 per ton; manure salts, 30% basis, \$26@35 per ton; discounts as high as 10% continue on lots of 500 tons or more.

Phosphate Acid—Moving in fair volume and at steady price of \$9.50 per ton for the 16% guaranteed.

Insecticides and Fungicides

Arsenicals—Arsenic market weak despite reports tending to prove it strong all over the world. Few sales are reported and the price in each transaction is hard to determine. The German product has dropped from 9c lb. to 6c lb. in a few weeks. Domestic refiners have been reported to have abandoned the recovery of arsenic from flue gas, owing to weak market. Spot goods are quoted nominally at 6c@6 1/4c lb. Calcium arsenate remain quiet and factors state that no market exists. Manufacturers name from 7c lb. up but no goods are reported to be changing hands.

Copper Sulfate—Domestic manufacturers continue to hold prices at recent levels in spite of higher quotations for the imported material owing to continued competition among themselves. German material is named at \$5.00 and none is being imported. Domestic prices,



\$4.65 per 100 lb. in carlots at works, although lower prices have been done in competition. Odd lots are still said to be available as low as \$4.40 per 100 lb.

Leather Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.11½	.11½	.12	.12½	1.50½	.07
Acid, Lactic, 22% dark....	.05½	.05½	.05	.04½	.07	.02
Potassium Bichromate .....	.08½	.08½	.08½	.09½	.65	.06½
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.60
Sodium Prussiate, Imp....	.09½	.09	.09½	.11½	1.25	.18
Soda Ash, 58% wks.....	1.39	1.38	1.38	1.38	4.10	.69
Sodium Bichromate .....	.06½	.06½	.06½	.07½	.45	.04½
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.03½	.03½	.03½	.08½	.10½	.02½
Average .....	.925	.925	.925	.980	3.267	.528

Quiet spot business was reported by manufacturers over the week as well as small contract business or orders for future delivery since most of this work is now out of the way. Although further slight weakenings were present in the market the list continued to hold quite steady for this period of the year and no large reductions were noticed in any product. Prussiates were strengthened to a considerable degree by the firming of the foreign market and a concentration of local spot stocks into firm hands. Cod oil is higher, menhaden oil remains firm.

Alkalis—Manufacturers continue to give optimistic reports and speak of consumers' willingness to be cov-

ered even at higher prices as a positive indication of good business ahead. Contract business being closed in large proportions at following prices: Soda ash, 58% light, carlots, works, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. business around New York, \$2.04@\$2.19 in bags, and \$2.29@\$2.44 in barrels. Caustic soda on contract \$3.10 per 100 lb. in carlots of 76% solid in drums at works; ground and flake, \$3.50 on contract; spot works prices 10c higher per 100 lb. higher than contract prices. L.c.l. deliveries at New York, \$3.76@\$3.91 for solid, and \$4.16@\$4.31 for ground and flake.

Chemicals—Slight shading in a few prices but very little variation in the majority of items. Spot business quiet with orders for January shipments increasing. Bichromates are reported to be still further shaded in some quarters, with prices now down to 6½c@6¾c lb. for the sodium, and 8½c@8¾c lb. for the potassium; prussiates very firm due to the concentration of spot stocks and continued firm abroad; prices up to 9¾c@10c lb. for sodium; potassium, yellow, 17c@17½c lb.; red arsenic shows no change at 15c@15½c lb.; sal ammoniac firm at 6c@6¼c per lb. for the imported, and 7½c lb. for the domestic; Glauber's salts steady, domestic \$1.15@\$1.65, according to quantity and packing; imported weak at 80c@85c per 100 lb.; Epsom salts, unchanged at \$1.35, imported, and \$1.75 for domestic, technical; carbon tetrachloride moving in fair volume at 7c@7½c lb.; sodium sulfide steady at 2c@2½c per lb. for crystals, 3c@3½c lb. for the solid.

Tanning Materials—Depleted spot stocks keep the prices generally firm at the recent advances and cause still further advances in some instances. Camwood

THE CLEVELAND-CLIFFS IRON COMPANY

CLEVELAND, OHIO

ACETIC ACID

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LOS ANGELES

PLANTS Marquette and Antrim, Mich.

chips unchanged at 9c@13c lb. j divi divi quoted nominally at \$42@\$44 per ton; myrobalans advanced to \$50 for J1; R1 lower at \$40; and J2 higher at \$48; sumac still firm at \$170@\$175 for Sicilian; valonia cups, 30-31%, nominal, \$35; Beard, \$52. Extracts show little change, 1½c@1¾c lb. for clarified chestnut, 25% tanks, works; logwood, 51%, 9c lb.; myrobalans, steady at 4c @5c lb. for 25% liquid in barrels.

Several important British china clay producers of Cornwall and Devonshire have combined under the name China Clay Producers, Ltd.

Paper Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.40	\$2.40	\$5.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Casein .....	.10½	.10½	.10½	.11	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.05½	.50	.08
Salt Cake	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40% ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.....	1.38	1.38	1.38	1.38	4.10	.60
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	7.65	7.65	7.60	5.70	4.50	20.25
Average	6.089	6.089	6.124	6.070	13.30	5.50



General quietness remained over the week with spot business practically at a standstill and deliveries on 1924 contracts about ended, owing to consumers having taken in all the materials that can be carried over the

inventory period. Contract business for the coming year is reported about completed and the final volume is said to be far ahead of last year.

Alkalis—Manufacturers continue to give optimistic reports and speak of consumers' willingness to be covered even at higher prices as a positive indication of good business ahead. Contract business being closed in large proportions at following prices: Soda ash, 58% light, carlots, works, bulk, \$1.25; bags, \$1.38; barrels, \$1.63. L.c.l. business around New York, \$2.04@\$2.19 in bags, and \$2.29@\$2.44 in barrels Caustic soda on contract \$3.10 per 100 lb. in carlots of 76% solid in drums at works; ground and flake, \$3.50 on contract; spot works prices 10c higher per 100 lb. higher than contract prices. L.c.l. deliveries at New York, \$3.76@\$3.91 for solid, and \$4.16@\$4.31 for ground and flake.

Bleaches—Spot bleach continues to be available for delivery on 1924 contract prices, while a higher price must be obtained for this material if carried into next year. Movement of supplies to consumers at standstill. Dealers are now marking time waiting for the passing of inventory period. Contract prices for bleaching powder for 1925, \$1.90 for carlots of large drums at works; less than carlots, \$2.05; spot works prices 10c higher; small drums, 25c higher. Liquid chlorine on contract, 4c lb. in tanks at works. Carlots of cylinders, 5½c lb.; less than carlots and more than a ton, 7c lb.; less than a ton, 8c lb. Spot works price ¼c lb. above contract prices.

Chemicals—Prices generally remained steady with some slight shading reported due to distressed material. Salt cake firmer at \$18@\$19 ton; aluminum sulfate holding at higher prices of \$2.00 per 100 lb. for iron-free

VICTOR CHEMICAL WORKS


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OXALIC ACID

PHOSPHATE OF SODA
EPSOM SALTS
AMMONIUM PHOSPHATE
PHOSPHORIC and FORMIC ACID

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CAUSTIC SODA

BLEACHING POWDER

FINISHING MATERIALS

INNIS, SPEIDEN & CO., Inc.

Manufacturers, Importers, Exporters of
Industrial Chemicals

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Chicago
Philadelphia
Boston
Cleveland
Groversville, N. Y.

FACTORIES:

Niagara Falls, N. Y.
Jersey City, N. J.
Murphysboro, Ill.
Owego, N. Y.

in carlots of bags at works; and \$1.40 per 100 lb. for the commercial material; blanc fixe steady at \$75@80 ton; sodium silicate holding at 75c per 100 lb. in tanks; tin crystals very firm at 38½c@39c lb.

Sizings—Casein remains firm at 10c@10½c lb. for the standard product. Rosins firm at the recent advances being sold on the basis of 280 lb. as follows: Grades B to H, \$7.65; grade I, \$7.75; grade K, \$7.85; M, \$7.95; N, \$8.15; WG, \$8.95; WW, \$9.50.

Rubber Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$39	\$39	\$39	\$35	\$45	\$35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.10	.10	.12	.15	.20	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.09
Average	3.459	3.459	3.464	3.820	5.931	..

Although the general line of rubber chemicals was quiet last week, some active business was reported in imported barytes. Stocks of this item on spot are getting scarce, but shipments are now afloat, and when they arrive in New York, the situation will be relieved somewhat. Representatives who are returning to New York from different parts of the country, report that consumers with whom they have talked believe that

1925 will be a good business year. Makers of litharge have advanced prices, and now quote 12c up to 13c pound.

Acid—Acetic is moving in a routine way only at \$3.12 @ \$3.37 cwt. for 28 per cent; \$5.85@ \$6.10 for 56 per cent; \$8.19@ \$8.44 for 80 per cent commercial; and \$11.00 @ \$11.75 for glacial goods.

Accelerators—Little interest being shown at the moment. Aniline oil is quiet at 16c@17c lb. works, and 17c@18c lb. spot. Diphenylguanidine is in steady demand at \$1.10@ \$1.15 lb. spot as to quantity. Litharge has advanced to 12c@13c lb. spot as to quantity due to higher lead figures. Hexamethylene is quiet at 82½c@ 85c lb. spot. Quinoidine is steady at 40c lb. spot in drums. Thiocarbanilide is moving in small quantities only at 27c@29c lb. spot.

Colors and Compounding Materials—Contract business is reported on the increase, while little spot inquiry has been noted. Antimony sulfurette is steady at 19c@ 24c lb. spot for golden, and 39c@50c lb. for crimson material. Blanc fixe is quiet at 4c@4½c lb. f.o.b. New York. Carbon black is in better demand at 10c@11c lb. spot in l.c.l. in cases for ordinary; 11c@12c lb. for air floated; 10c@11c lb. for compressed material; and 6c lb. works in c.l. Magnesium carbonate is in fair demand at 7½c lb. spot, and calcined at 5½c@6c lb. Talc is unchanged at \$14@ \$15 ton works or \$25@ \$26 ton ex-warehouse for domestic; French, \$40@ \$45 ton; and Italian, \$60@ \$80. Imported white barytes is scarce at \$29@ \$34 ton, and domestic at \$23@ \$25 ton. Whiting is quiet at \$13@ \$14 ton for domestic, and \$18@ \$19 ton for imported material.

HF & G

Antimony Sulphurette
Hexamethylenetetramine
Carbon Black

**The HARSHAW, FULLER
& GOODWIN CO.**

Hanna Building, Cleveland

New York
Philadelphia
Chicago

Cincinnati
St. Louis
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**THE
White Tar Aniline Corp.**

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COLORS

FOR

Textiles, Paper and Leather

**We supply a complete line of domestic and
imported Aniline colors**

**Special shades matched and complete
formulas furnished**

Mineral Rubber—Makers report a steady demand at \$35@75 ton as to quality.

Solvents—C. P. acetone is in keen competition at 14c @16c lb. works in c.l. Benzene remains firm at 25c gal. works for pure in tanks, and 30c gal. in drums. Ninety per cent is named at 23c gal. in tanks and 28c gal. in drums. Carbon bisulfide is steady at 6c@6½c lb. spot as to quantity. Carbon tetrachloride is firm at 7c@7½c lb. spot as to quantity.

Sulfur—In small demand at \$3.05@\$3.30 cwt. spot; and \$2.50@\$2.90 for refined material. Sulfur chloride is in fair demand at 6c@7c lb. for red, and 5c@6c lb. for yellow material.

Compounding ingredients of all grades are in very active demand by every line of the rubber industry, and the basic materials, such as whiting, clay, carbon black, and zinc oxide are running in volume equal to supplying peak production in many lines, says "The India Rubber World."

Rubber latex has been suggested by Dr. P. J. S. Kramer, a Dutch botanist of Java, as a means of conservation of ripe fruits by dipping them in latex. The thin film of rubber formed can be easily removed when necessary.

David J. Sullivan has resigned as chemical engineer for British American Rubber Co., Stamford, Conn., and will become associated with Fisk Tire Co., Chicopee Falls, Mass. He will take up his new duties on Jan. 1.

Textile Chemicals

	Trend of the Market					War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50	
Acid, Oxalic .....	.09½	.09½	.09½	.12	.70	.07½	
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50	
Copper Sulfate	4.65	4.65	4.65	4.60	20.00	4.50	
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.15	4.25	1.50	
Glauber's Salt	1.25	1.25	1.25	1.80	2.50	.80	
Potash, Caustic, Imp. ....	.07½	.07½	.07½	.07	.87	.12	
Soda Ash, 55% wks.	1.38	1.38	1.38	1.38	1.10	.69	
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.80	
Sodium Bichromate .....	.06½	.06½	.06½	.07½	.45	.04½	
Average	1.783	1.783	1.783	1.742	4.800	1.42	

Movement of spot supplies reported at a standstill with very large amount of orders booked by manufacturers for delivery over the first quarter of the coming year. Carbon tetrachloride continues to show increasing strength and is quoted higher in some quarters. Acetic acid remains in a very firm position and an advance would not be surprising after the turn of the year.

Acids—Holding steady although business for immediate delivery is rare. Acetic acid firmer with price advance anticipated. Makers still quoting \$3.12@\$3.37 for 28% as to quantity; 56%, \$5.85@\$6.10; glacial, \$11.01@\$11.76; formic acid holding at recent decline to 10½c@11c lb. as to quantity and seller; lactic acid continues firm at 5½c@6c lb. for 22% dark, and 6½c@7c lb. for 22% light; 44% is named at 11½c@12c lb. for dark, and 13½c@14c lb. for light; oxalic acid slightly easier at unchanged quotations of 9½c@10c lb.; mineral acids, muriatic and sulfuric, unchanged.



Aero Brand

Yellow Prussiate of Soda

Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

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London

Henry W. Peabody & Co.,

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Victor Blagden & Co., Ltd.,

Coronation House, 4

Lloyd's Ave., London.

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Starches and Dextrines—Contract business being closed for the coming year. New form of contract in use by starch manufacturers calling for payment net in ten days at market price at time of delivery. Discounts on carlots discontinued. Prices remain firm with increase anticipated after the turn of the year owing to high prices in grain markets. White corn dextrine quoted at \$4.52@\$4.62; yellow, \$4.57@\$4.67; British gum, \$4.82@\$4.92; powdered corn starch, \$3.97@\$4.07; potato dextrine, 8c@8½c lb. for white, and 7¾c lb. for yellow.

U. S. TARIFF HURTS NORWEGIAN NITRITE

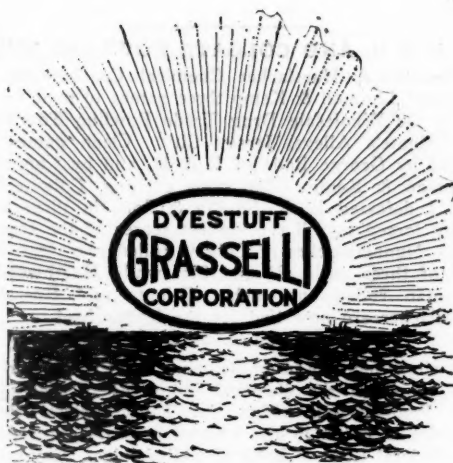
Norsk Hydro is concentrating largely upon the production of nitrate of lime, its output of nitrite of soda being considerably limited, says a correspondent of the "Journal of Commerce" under date of Rjukan, Norway. To what extent this change in factory output has been the result of the increase in tariff duties imposed upon nitrite of soda by the United States is impossible to estimate. The annual output of various products by Norsk Hydro at its plants at Notodden and at Rjukan combined is approximately as follows:

Nitrate of soda	Tons. 30,000
Nitrite of soda	10,000
Nitrate of lime	200,000
Concentrated nitric acid	10,000

The company made calcium nitrate and nitrate of ammonia during the war, but is making neither now.

A demurrer filed by Everly M. Davis, of New York, to an indictment charging him and Ernest C. Morse, of Cleveland, former director of sales of the War Department, with conspiracy to defraud the United States in connection with the sale of the Old Hickory powder plant at Jacksonville, Tenn., was overruled last week by Justice Hitz, of the Supreme Court of the District of Columbia, Washington, D. C. The sale was made to the Nashville Industrial Corp., organized by Davis and Alexander W. Phillips now dead. The company paid the government \$3,500,000 for the property, which it is claimed should have brought \$4,500,000.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until Jan. 6, for 25,000 lbs. dry pigment oxide titanium for the Norfolk, Va., navy yard, as per Schedule 3069.



In addition to our own colors, we offer as sole American importers a full line of the specialties manufactured by The Farbenfabriken vorm. Friedr. Bayer & Co. Leverkusen.

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Set your industrial
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GERMAN IMPORTS GAIN, EXPORTS DECREASE*(Special Correspondence to DRUG & CHEMICAL MARKETS)*

Berlin, Germany, Dec. 13.—This year's German foreign trade in chemicals and pharmaceutical products, colors and dyes shows that imports have largely increased, while exports decreased, compared with trade during the same time last year. September imports totalled 515,210 tons (263,346 tons Jan.-Sept., 1923), and exports 1,530,458 (1,998,392 tons for Jan.-Sept., 1923). Compared with August the value of the total imports during September increased from 9,320,000 goldmarks to 10,836,000 goldmarks, and exports from 39,117,000 to 43,588,000 goldmarks. The different items in the August and September trade compare as follows:

In metric tons:	Imports		Exports	
	Aug.	Sept.	Aug.	Sept.
Chemical raw materials	14,881	14,757	153,200	174,796
acids, salts	443	643	8,087	7,078
Colors and dyes	809	700	854	650
Essential oils	32	12	365	383
Varnishes, lacquers	36,134	54,322	2,082	4,786
Artificial fertilizers	0.8	116	611	1,513
Explosives	3,353	3,389	1,100	1,343
Pharmaceutical products	Total: 55,651	73,937	166,310	190,549
Mineral oils	49,271	75,560	7,302	5,501
Coal tar, coal tar oils	1,967	5,225	10,490	8,100

NITRATE PRODUCTION 48% GREATER

Nitrate production for the year ended June 30 totalled 2,186,000 tons which is 48 per cent above the output in 1922-23, and more than twice the production for 1921-22, according to Bankers Trust Co. of New York. Costs have been reduced, particularly stoppage expenses which in 1922-23 absorbed the major part of the profits of many companies. Sales for delivery by Producers' Association totalled 2,035,000 long tons against 1,985,000 long tons for 1922-23. Selling prices were higher than during the preceding year, averaging 20s 2½d per metric quintal, against 19s 11d.

Excluding reserve stocks of 60,000 tons held by the U. S. Government the world's visible supply on June 30 totalled 1,250,000 tons, which is 8,000 tons less than on June 30, 1923. Of this amount 1,075,000 tons are stocks in Chile, against 997,000 tons last year; and material booked for Europe and Egypt, 115,000 tons, against 173,000 tons. Sales booked by the association for the first nine months of the current fiscal year total 1,690,000 tons, against 1,500,000 tons for the year past. Consumption for the new year is estimated at 2,350,000 tons against 2,190,000 tons consumed last year.

EUROPE BUYING VENTILATED SULFUR*(Special Correspondence to DRUG & CHEMICAL MARKETS)*

Catania, Sicily, Dec. 13.—Few orders for sulfur are declined, many refiners having contracted for supplies for some time to come, and demands of agriculture being small. The principal business is with the Continent, where the Italian product still finds favor, especially the ventilated qualities, which have better absorbing properties than the sublimed. Quotations are as follows per 100 kilos:

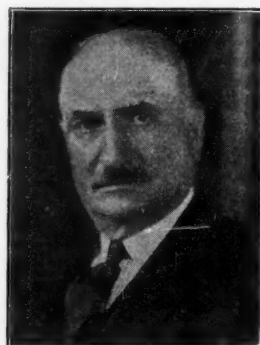
Refined sulfur in blocks, 53 lire; sublimed sulfur, 70 lire; raw ground sulfur, 55 lire; refined ground sulfur, 62 lire; ventilated sulfur, 71 lire. All prices are for goods on board ship, or in the station at Catania, sacks calculated as sulfur.

Imports of Chinawood oil for October amounted to 7,865,636 pounds, valued at \$850,930, according to the Department of Commerce. Imports of linseed oil amounted to 100,192 pounds, valued at \$9,024, and flaxseed 205,907 bushels, valued at \$509,924. Exports of linseed oil for October were 136,179 pounds, valued at \$20,062.

INDUSTRIAL CHEMICAL SECTION**WILLIAM O. ALLISON DEAD**

William O. Allison, founder and proprietor of the "Oil, Paint and Drug Reporter," "The Painters Magazine," and "The Druggists Circular," died on Thursday, Dec. 18, at his residence, 115 W. 16th st., New York, after an attack of pneumonia with which he had been

ill for about a week. The immediate cause of death was multiple thrombosis. Mr. Allison was 76 years old. He was born March 30, 1849, in Bergen County, N. J. At the age of eleven he was taken into the family of William B. Dana, publisher of the "Financial Chronicle," and at 17 he found employment on the paper. Five years later he established the "Oil, Paint and Drug Reporter."



In 1907 Mr. Allison was elected president of the National Reserve Bank. At the time of his death he was a director in the Empire Trust Co., New York, Lincoln Trust Co. of Jersey City, and vice-president of the Palisades Trust and Guaranty Co., of Englewood, N. J. The municipality of Englewood Cliffs was organized by Mr. Allison in 1885, and he was the first mayor, holding office for three terms consecutively, and being selected for a fourth term later. He invested heavily in Palisades real estate and leaves large tracts of improved and unimproved land in that section.

Mr. Allison married Miss Caroline L. Hovey, of Syracuse, N. Y., in October, 1884. Six children were born to them, three of whom survive, Mrs. P. Roderick McLean, Mrs. Frances C. Allison, and John Blauvelt Allison. The first Mrs. Allison died in March, 1896, and Mr. Allison married again. His second wife survives him.

R & H, AND COLGATE BOWLERS WIN

Roessler & Hasslacher Chemical Co. bowling team defeated Lanman & Kemp three games to none on Dec. 15 in the Wholesale Drug Trade Bowling Tournament at Colgate's Alleys, Jersey City. Clean games were rolled by George Bode of R & H, and by Connelly of Lanman & Kemp. The same evening, Colgate Team No. 1 defeated E. R. Squibb & Sons in three games, being forced to roll the highest scores of the season to win. Nunermacker of Colgate rolled two clean games out of three with 223 and 215, while Heathwood and Norman rolled one each. Colgate and Roessler & Hasslacher are now tied for the league lead.

A slight increase in employment, total wages and average wages in the chemical industries of New Jersey and Pennsylvania within the Third Federal Reserve District is noted in the current employment report of the Federal Reserve Bank of Philadelphia. Employment in the chemical and allied industries of Pennsylvania increased 0.6 per cent in November, compared with October. Total wages increased 1.1 per cent and average wages, 0.5 per cent. In New Jersey there was an increase of 1 per cent in employment in chemical and allied industries and increases of 7.7 per cent and 6.7 per cent in total and average wages respectively.

E. E. Reifenberg & Bros., 233 Broadway, New York, will discontinue their brokerage business Dec. 31.

SANTA VISITS CHEMICAL SALESMEN

Leaving presents for all the salesmen and sales managers who attended the annual Christmas Party of the Salesmen's Association of the American Chemical Industry at the Builders' Exchange, New York, on Monday evening, Dec. 22, Santa Claus departed early so as not to interfere with the vaudeville acts which followed his visit. About 75 purveyors of chemicals enjoyed the party, which was the best of the past season. Christmas spirit and Yuletide cheer were in evidence throughout the evening, while the distribution of appropriate gifts caused much merriment. Paper hats, toy balloons, and a good turkey dinner added the final touch of color to the party. Arrangements were in charge of Harrison Wilmot of the Synthetic Organic Chemical Manufacturers Association.

MAKERS CUT BISMUTH SALTS SHARPLY

Manufacturers reduced prices for all bismuth preparations sharply on Tuesday. The cut on the principal salts is twenty cents per pound and brings the price for bismuth subnitrate down to \$2.15 per pound in 25 lb. lots. The subcarbonate is down to \$2.65, the subgallate to \$2.10, and the subsalicylate to \$2.40 lb. Cables Tuesday reported bismuth metal down to 5s in London. A cut of 25c lb. in New York brought the spot metal price to \$1.37 lb. on 100 lb. lots, which cut was followed by drop in salts. London metal market reported weak after one shilling decline.

Eastern Lubricants Co., a recently organized corporation, has taken over the plant of the Portola Oil Co., 798 Minnesota st., San Francisco, and has installed additional equipment at a cost of \$32,000 for the manufacture of lubricating oil. The plant has a manufacturing capacity of 250 barrels of oil and four tons of soap per day.

The Insecticide and Fungicide Board in its report for 1923 says that seventeen samples of imported insecticides and fungicides were found to be adulterated and misbranded, and they recommended that they be refused entry until properly labelled. They also found 22 unofficial samples to be adulterated or misbranded, or both.

Glidden Co.'s lithopone unit at Baltimore, Md., is in full operation and doubles the capacity of the plant. October business was largest in history of the company exceeding \$2,000,000. More than 15,000 pounds of lithopone have been contracted for 1925.

Erinoid Co. of America, which will be allied with Erinoid Ltd. of England, and will manufacture casein plastics, is in process of organization. Casein Company of America has obtained an interest in the new company.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, Chicago, has received an inquiry (4206) from a company at Darmstadt, Germany, in the market for a quantity of tallow and grease.

William Swindell of Swindell Bros., Baltimore, bottle manufacturers, who recently returned from a hunting trip at Pope's Island, Va., has presented pairs of ducks to several of his friends in the New York trade.

L. S. Finch Chemical Corp. has purchased from the War Department a two-acre site in Los Angeles for a plant for the manufacture of thinners for lacquers made from a nitro-cellulose base.

The New York Dock Co. has issued a 1925 calendar for shippers.

Financial Notes

Sterling Products, Inc., declared its regular quarterly dividend of \$1, payable Feb. 2, to stock of record Jan. 15.

Directors of Standard Wholesale Phosphate and Acid Works, Baltimore, have declared a quarterly dividend of 2 per cent.

Procter & Gamble Co. has declared regular quarterly dividend of 2% on the 8% preferred stock, payable Jan. 15, record Dec. 24.

Penick & Ford, Ltd., has declared the regular quarterly dividend of 1¼ per cent and a dividend of 1 per cent on account of back dividends on the preferred stock, both payable Jan. 2 to holders of record Dec. 20.

Allied Chemical & Dye Corp. stock was bought heavily by Chase National Bank interests on the New York stock exchange last week, according to the "Wall Street Journal," resulting in a sharp rise in the stock to 86.

International Match Corp. has called for redemption at 105 its 6½ per cent bonds. Holders of the bonds have an option of exchanging their securities for participating preference stock in the company at \$35 par value.

McAndrews & Forbes Co. has declared an extra dividend of 4 per cent on the common in addition to the regular quarterly dividends of 2½ per cent on the common and 1½ per cent on the preferred, all of which are payable Jan. 31 to shareholders of record Jan. 15.

Among the securities sold by Adrian H. Muller & Sons at the Vesey St. Auction Rooms, last week, were the following: 1,040 shares of Butterworth-Judson Corp. common for \$24 the lot; 100 shares West End Chemical Co., \$10 the lot; 30 shares Hooker Electrochemical Co., preferred, \$40 per share.

United Indigo & Chemical Co., Ltd., of England, doing business in Boston, reports to the Secretary of State, that its profit and loss account amounts to \$181,032. Its accounts receivable are listed as \$355,330 and accounts payable \$279,076. Merchandise is valued at \$46,281 and cash amounted to \$224,276. The company is capitalized at \$1,155,793 and values its good will at \$87,991. Invested in securities \$655,549.

A voluntary petition in bankruptcy has been filed in the Federal District Court, Boston, by Ralph A. Bowen doing business as Purity Chemical Co., 11 Storer st., Boston. Total liabilities are listed as \$10,900 and assets are given as \$633. The largest creditors are Orbis Products Trading Co., New York, \$603; Sandoz Chemical Works, Inc., Boston, \$1,880; W. M. Ray, Boston, \$747, and the Merchants National Bank, Manchester, N. H., \$4,625. All of these accounts are unsecured.

Stockholders of Commercial Solvents Corp., New York, ratified the plan authorizing an issue of \$3,200,000 6 per cent convertible notes to finance a new expansion program at a special meeting, Dec. 19, at Baltimore. The plans call for an addition to the Peoria plant, which will be completed in March, 1925, and will increase present capacity 30 per cent, and a new plant, which will be completed in October, 1925, and will increase capacity 100 per cent. Earnings for 1924 have been placed at \$15 per share, and estimates for 1925 are placed as high as \$30 per share.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Dec. 20

	Bid	Asked		Bid	Asked
*Air Reduction	89	89½	Hercules Powder	88	92
*Allied Chem. & D.	84½	84½	Hercules Powd., pf. 100	105	105
*Allied Ch. & D., pf. 117½	118½	118½	Heyden Chem.	2½	3
*Am. Ag. Ch.	14	14½	Hooker Electro.	2	3
*Am. Ag. Ch., pf.	39¼	39¼	Hooker Electro., pf. 18	23	23
*Am. Chiclé	39¼	39¼	*Household Products. 36¼	36¼	36¼
*Am. Chiclé, pf.	95	—	*Int. Agricult.	34	1¼
*Am. Cyan.	91	95	*Int. Agricult., new. 6¼	6¼	6¼
*Am. Cyan., pf.	76	78	*Int. Agricult., pf.	9¼	10¼
*Am. Druggist, S.	5¼	5½	*Int. Nickel	23½	23½
Am. Glue	89	41	*Int. Nickel, pf.	92	92
Am. Glue, pf.	104	108	*Int. Salt	72½	80
*Am. Linseed	24½	25	*Mathieson Alk.	57	57½
*Am. Linseed, pf.	44	45½	*Mathieson Alk., pf. 92	—	—
*Am. Metal	50	50½	MacAnd. & Forbes. 149	150	150
*Am. Zinc	10½	11	MacAndrews &		
*Am. Zinc, pf.	33	34	Forbes, pf.	99	101
Archer-Dan. Mid.	23	23½	Merck & Co., pf.	57	60
Archer-Dan. Mid., pf. 87½	89	89	Merriman	84	86
*Atlas Powder	49	51	Mulford Co.	30	33
*Atlas Powd., pf.	92	94	*National Lead	163	163½
By-Prod. Co.	42	47	*National Lead, pf. 116¼	117	117
By-Prod. Co., pf.	102	—	N. J. Zinc	160	164
Canad. Ind. Al.	42	44	Niag. A. pf.	80	85
Canad. Salt	95	100	Parke, Davis & Co. 80½	81	81
Carsin Co.	62	66	Penn. Salt	80	82
Celluloid Co.	55	60	*Peoples Gas, Chi.	115¼	116
Celluloid Co., pf.	96	99	Procter & Gamble. 100	103	103
Charcoal Iron	20	25	Procter & Gam., pf. 104	108	108
Ches. Mfg.	47	49	Royal Bkg. Pow.	143	150
Ches. Mfg., pf.	112	115	Royal Bkg. Pow., pf. 98½	100	100
Clark Co., Fred	2	3½	Shawinigan	4	6
Cleve. Cliffs Iron	75	—	Shawinigan H.	130	132
*Com'l Solv. A.	118	121	Sherwin-Williams. 30	32	32
Do. B.	117	120½	Sherwin-Williams, 1st pf. 100¼	101	101
Rights	8	8½	*Sterling Prod.	63½	64
*Corn Products	41¼	41½	Swan & Finch	20	24
*Corn Products, pf. 119¼	121	121	*Tenn. C. & Chem.	8½	8½
*Davison Chem.	46	46½	*Tex. Gulf, Sul.	100½	100½
Dow Chem. non par. 39	61	61	Union Carbide	89¼	89¼
Dow Ch., pf.	100	101	*Un. Drug	116	117½
Dow Drug Co.	150	175	*Un. Drug, 1st pf.	51¾	52
Dow Drug Co., pf.	104	106	*Un. Dyewood	25¼	25¼
*Du Pont Deb.	95	95½	*Un. Dyewood, pf.	52	55
*Du Pont de Nem.	138¼	138¼	Un. Gas Imp.	57	59
*Eastman Kodak	110¼	110½	Un. Gas Imp., pf.	86	87
*Eastman Kodak, pf. 111¼	—	—	U. S. Gypsum	127	132
*Freeport Tex.	10¼	10¼	*U. S. Indus. Al.	84¼	84¼
*Genl. Asphalt	57¼	57¼	*U. S. Indus. Al., pf. 104¼	106¼	106¼
*Genl. Asphalt, pf.	98	95	*Va. Car. Ch.	2¼	2¼
*Gold Dust	41¼	42¼	*V. Vivaudou	8	8¼
Grasselli	122	124	Will & Baumer	12	14
Grasselli, pf.	102	103			

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)		\$4.866	\$4.76
France (franc)		183	183
Italy (lira)		193	193
Belgium (franc)		193	193
Czechoslovakia (crown) per hundred		20.39	20.39
Denmark (krone)		268	268
Germany (mark)		238	238
Holland (florin)		402	402
Norway (krone)		268	268
Poland (zloty)		193	193
Spain (peseta)		193	193
Sweden (krone)		268	268
Switzerland (franc)		193	193
Argentina peso		424	424
Brazil (milreis)		324	324
Japan (yen)		499	499
India (rupee)		485	485
China (Silver dollar, Hongkong)		789	789
(Tael-Shanghai, silver)		1.986	1.986
(Tael-Peking, silver)		1.156	1.156

Among the securities sold at auction by Adrian H. Muller & Sons, 20 Vesey st., last week, were the following: Chemical Equipment Corp., common, 4,575 shares for \$45; Cocoa Products of America, Inc., 100 shares common and 100 shares preferred, \$60; Vegetable Oil Corp., 100 preferred and 50 common, \$80; National Lubricants Co., 50 shares preferred and 400 shares common, \$20; Eastern Potash Corp., 40 shares preferred and 20 shares common as bonus, \$20; Carthage Sulphite Pulp and Paper Co., Carthage, N. Y., 10 shares, \$6.

United States Industrial Alcohol Co. has declared the regular quarterly 1¼% preferred dividend, payable Jan. 15 to stock of record Dec. 31.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

University Paint and Color Works, New York, \$30,000. A. Levin, L. Pelletieri. Attorney, A. A. Feinberg, New York.

Stern Rubber Products Co., Akron, O., \$25,000. A. B. Kaufman, Solomon Fred and S. Brandon.

Crescent Paint and Mfg. Co., Cleveland, \$30,000. A. J. Halle, B. S. Brady and William R. Brunn.

Asco Products Corp., Wilmington, Del., \$50,000. Dyeing, printing and bleaching.

Golie, New York, \$50,000. Chemicals and Perfumes. S. E. Levens, P. Perlmutter, C. E. Goldsmith. Attorney, C. M. Newman, New York.

Poughkeepsie Coca-Cola Bottling Co., Poughkeepsie, \$80,000. Soft drinks. G. A. Sears, E. Weber. Attorney, H. N. Harcourt, Poughkeepsie.

Bay State Sales Corp., Boston, \$25,000. Drugs and Chemicals. Henry F. Cavagan, Joseph McGrath, Thomas W. O'Rourke.

New England Perfume Vending Co., Springfield, Mass., \$300,000. Perfume vending machines. George H. Degenkolb, Hyman B. Greenberg, John Wesley Geffken.

Eastern Laboratories, Inc., Boston, \$30,000. Drugs and chemicals. Henry J. Stein, Louis Matzkin, Benjamin Matzkin.

El Geron, Brooklyn, \$25,000. Perfumes and powders. A. Weinstein, J. Stabel, M. Sanders. Attorney, L. Sanders, New York.

Nu Grape Co. of America, Wilmington, Del., \$1,000,000. Manufacture flavors. Corporation Trust Co. of America.

Essential Oils Products Co., New York, \$20,000. J. Seaman, M. Rosenweig, A. Weinstein. Attorney, N. Seaman, New York. Gulfport Creosoting Co., Buffalo, \$100,000. R. E. Powers, A. E. Fant, F. A. Abbot. Attorneys, Abbot & Abbot, Buffalo.

Madill Coal & Coke Co., Wilmington, Del., \$1,000,000. Mining. Corporation Trust Co. of America.

Hollywood Perfume Co., Dover, Del., \$500,000. Manufacturing. Corporation Trust Co. of Delaware.

Sister Polly Corp., Wilmington, Del., \$100,000. Manufacture candy. Corporation Trust Co. of America.

Washington Products Co., Washington, D. C., \$20,000. Manufacture hair tonics. Geo. A. Cochran, Wm. H. Warren, Marie Warren. Capital Trust Co. of Delaware.

CANADIAN INCORPORATIONS

Acme Specialty Co., Ltd., Toronto, Ont., \$25,000. To manufacture druggist supplies. Wm. J. Scanlon, Lois Scanlon, Oswald E. Lennox, Toronto.

Kaufman Rubber Co., Ontario, Ltd., Kitchener, Ont., \$5,000,000. Joseph M. Snyder, Joseph M. Newton, Franklin W. Wegenast. Kitchener.

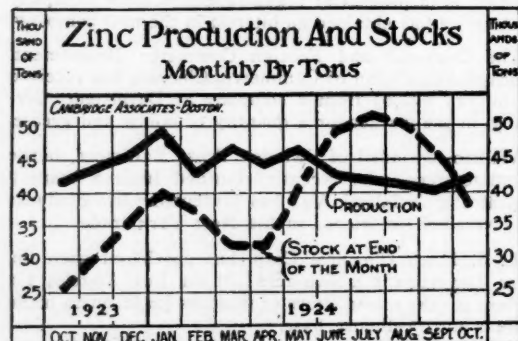
Orange Crush, Ltd., Toronto, Ont., \$500,000. To manufacture beverages. Arthur H. Kelly, Catherine A. Hudson, Daniel W. Lang, Toronto.

Tuddy Co. of Canada, Ltd., Bridgeburg, Ont., \$200,000. Manufacture beverages. Elmer B. Olmstead, Kenmore, N. Y.; J. W. Rutbar, Buffalo, N. Y.; Joseph R. Steele, Bridgeburg, Ont.

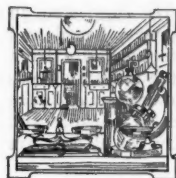
Mercerizers, Ltd., Three Rivers, Que., \$150,000. To manufacture textiles. Francis G. Bush, G. R. Drennan, H. W. Jackson, Montreal.

Canadian Aroma Products, Ltd., Montreal, Que., 10,000 shares of no par value. To manufacture chemicals and perfumes. Arnold Wainwright, Winchester; H. Biggar, D. Burley-Smith, Montreal.

Amity Products, Ltd., Montreal, Que., 1,000 shares of no par value. To manufacture chemicals and perfumes. Arnold Wainwright, Winchester; H. Biggar, D. Burley-Smith.



Reason Why Zinc and Zinc Derivative Prices Are Tending Toward Higher Levels.



Drug & Fine Chemical

SECTION



Say Cramton Bill Would Cripple Industry

Dr. Charles L. Reese, Samuel C. Henry, Secretary of N. A. R. D., and E. C. Brokmeyer Tell Sub-Committee of Senate Committee on Judiciary the Objections to the Bill in Its Present Form—Mr. Henry Suggests an Amendment Providing for a Board of Review, and Another for a Division of Permits in the Prohibition Bureau—Dr. Reese and Judge J. J. Britt, Counsel for the Prohibition Unit, Disagree Over the "Stipulation"—Brokmeyer Criticises Removal of Narcotic Bureau to Prohibition Unit—Hearings to be Continued on Jan. 7

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 24.—Hearings are in progress before a special sub-committee of the Senate Committee on the Judiciary on the Cramton bill at which both proponents and opponents were allowed to testify, following which the hearings were adjourned until Jan. 7.

Hearings began on Thursday. The sub-committee consists of Senators Sterling (Chairman), Butler, Means, Reed of Missouri and Overman. Thursday's session was taken up entirely by Representative Cramton, author of the bill, and Dr. J. M. Doran, chief of the Industrial Alcohol Division of the Prohibition Unit of the Treasury Department.

Mr. Cramton told the Committee of his inception of the idea for the bill and spoke of the conferences which he had with Secretary of the Treasury Mellon before drawing the bill in final form. He said that the Secretary endorsed the general idea of the bill.

The bill, said Representative Cramton, has three chief aims, (1) to concentrate enforcement of the prohibition law in one Bureau (2) to relieve the Commissioner of Internal Revenue from prohibition enforcement and (3) to eliminate politics from prohibition enforcement.

Charges Diversion of Alcohol

Mr. Cramton told the Committee that estimates made by the Prohibition Unit are to the effect that about 60,000,000 gallons of alcohol are produced each year of which about 10 per cent goes for illegitimate uses. He said that in his opinion there must be a concentration of authority in order to properly administer the law. The Commissioner of Internal Revenue, Mr. Cramton pointed out has enough to do in collecting the taxes without having to take up prohibition enforcement. The entire force of the Prohibition Unit, Mr. Cramton contended should be under Civil Service and he said that the bill has the endorsement of the Civil Service organizations.

Two things were brought out as main objects of the bill by Mr. Cramton in his testimony on Thursday, one being that it will take the Prohibition Unit from control of the Bureau of Revenue and the other being the placing of employees under Civil Service.

Senator Reed of Missouri cross-examined Mr. Cramton and brought out the fact that he favors raising the salaries of field service employees and he admitted that undoubtedly there is considerable bribery. There are

two real big government jobs, Mr. Cramton said, one being the collecting of taxes and the other the administration of the prohibition law. Answering questions by Senator Reed, Mr. Cramton said that as far as he knows every dry organization in the country favors the passage of the bill.

Not Opposed to Legitimate Use

Mr. Cramton said he did not oppose the use of alcohol for legitimate purposes. The Volstead Act, he said, is not intended to interfere with the legitimate use of alcohol, nor does the Cramton bill.

Senator Sterling asked Mr. Cramton if he would object to inserting in his bill a provision for a Division of Drugs and Pharmacy as well as for a Division of Alcohol and Chemistry which is already provided for. Mr. Cramton did not make a definite reply to the question, but the intimation was that he did not favor such an amendment. He contended that no new authority is given by the Cramton bill and in closing he said that he thinks the enactment of the bill into law would be helpful to the legitimate alcohol using industry and that after it has been tried out it will be thoroughly satisfactory to those industries.

Five Million Gallons "Go Astray"

Answering questions by Senator Reed, Dr. Doran spoke of the alcohol withdrawals and told the Committee of the methods now used by the Prohibition Unit. He reiterated what had already been said by Mr. Cramton to the effect that about 60 million gallons of alcohol are produced annually of which approximately 6 million are withdrawn each year by druggists, hospitals, etc. leaving 54 millions for technical industrial purposes. Of this quantity said Dr. Doran 30 million gallons are denatured, of which about a million "goes astray". Seventy formulas have been approved by the Prohibition Unit said Dr. Doran for new post-war industries which need alcohol for the production of their commodities. As an example he named artificial silk.

Of the denatured alcohol for which withdrawal permits are issued by the Prohibition Unit, Dr. Doran estimated that perhaps 5 million gallons go for illegitimate uses. He told the Committee that the Treasury Department is trying to get away from the use of wood alcohol.

Senator Reed questioned Dr. Doran very closely in connection with the denatured alcohol and its poisonous effects. He suggested that pure alcohol could be withdrawn by the legitimate industry if they were relieved of the tax. He also suggested that it might be possible to put a small tax on all alcohol, the money derived from which could be employed for more inspectors. Dr. Doran contended that this would be a burden on the legitimate alcohol using industries.

On Friday Samuel C. Henry, secretary of the National Association of Retail Druggists, E. C. Brokmeyer, counsel for the association; Judge J. J. Britt, chief counsel for the Prohibition Unit of the Treasury Department;

and Dr. Charles L. Reese, president of the American Institute of Chemical Engineers, testified.

Mr. Henry told the committee that his association has always opposed the Cramton bill as practical business men. Its enactment into law, he said, would be a source of great annoyance to the retail druggists of the United States. His association, Mr. Henry said, would not oppose the bill if legitimate industry was safeguarded and he offered two amendments to the bill.

Suggested Amendments

Mr. Henry suggested as one of the amendments the provision for the appointment of a Board of Review of three members, one to be appointed by the Secretary of the Treasury, one to be appointed by the Secretary of Commerce, and the third to be appointed by the Attorney General. He wanted an appeal from this board to a court of equity. This board would have power to review the regulations promulgated by the Prohibition Commissioner. Senator Sterling asked if Mr. Henry would just as soon have one man review the cases, this man to be appointed by the Secretary of the Treasury. He said he would not.

Mr. Henry took exception to the clause of the Cramton bill which would put the enforcement of the Narcotic Law under the jurisdiction of the Commissioner of Prohibition. He suggested a second amendment which would create a Division of Permits in the Prohibition Bureau. The retail druggists, he said, are only asking those things that are vital to the industry and if they are given what they want they will withdraw their objection to the Cramton bill, he said.

Brokmeyer's Criticism of Narcotic Change

Mr. Brokmeyer said that he never could understand, nor had it ever been explained to his satisfaction why the narcotics act went over to the Prohibition Unit. He said that both Representative Porter, of Pennsylvania, who has devoted much time to the study of the narcotic law and officials of the narcotic section believe that the law should be kept under the jurisdiction of the Commissioner of Internal Revenue.

A letter was read into the record on Friday from Arthur D. Little, of Boston, opposing the Cramton bill and giving it as his opinion that it would hamper industry and nothing would be gained by it.

Judge Britt told the committee that he had nothing to do with the drawing up of the bill and that the first thing he knew about it was when he was called in by Secretary Mellon and Commissioner Blair. He said that he had also had a number of conferences with Representative Cramton about the bill and that he had recommended a number of changes, especially dealing with the Civil Service features of the bill. There are three reasons why the bill should be passed, Judge Britt told the committee. One is, he said, that the enforcement of prohibition should have more importance attached to it than being one of eleven divisions of the Bureau of Internal Revenue. Another is, in his judgment, he said, that it would be a centralization of the power to function and the third is the Civil Service feature. This latter, he said, is the crowning provision of the bill.

Dr. Reese and Judge Britt Disagree

Dr. Reese said that in his opinion the principal reason for objecting to the bill is the putting of the industrial alcohol users under the jurisdiction of those who have policing powers. He said that Commissioner Blair has many times helped the industry to do away with burdensome regulations. He spoke particularly of the stipulation and considerable discussion was occasioned when Judge Britt took exception to some of the statements he made. Dr. Reese said that the industry had to go

to Commissioner Blair in this connection and that finally the stipulation was withdrawn. He suggested an amendment in the nature also of a review board and he asked that industrial alcohol be kept separate from prohibition enforcement. He said that the industry needs a board to appeal to so there can be quick action. He pointed out the delays in the issuance of permits and similar matters and said that frequently the delays are harmful to industry.

DRUG EXPORT CLUB FORMED

The Drug Export Club was formed last week by a group of drug export and credit managers. A. B. Dod, export manager of Merck & Co., New York, and Lewis Manufacturing Co., Walpole, Mass., was elected chairman. The object of the club is to bring about an intimate discussion of difficult foreign accounts whose treatment requires personal attention.

The executive committee includes: H. A. Behre, Davol Rubber Co., Providence, R. I.; S. R. Davenport, Colgate & Co., New York; A. B. Dod, Merck & Co., New York; J. J. Doran, Parke, Davis & Co., New York; A. D. Guerra, Sharp & Dohme, New York; Albert Heinz, Lederle Antitoxin Laboratories, New York; H. M. Paulsen, George Lueders & Co., New York; H. W. Rickards, H. K. Mulford Co., Philadelphia; F. Lejarza Saenz, Mallinckrodt Chemical Works, New York; E. G. White, Johnson & Johnson, New Brunswick, N. J.

FIND WAY TO CONTROL COCAINE TRAFFIC

The sub-committee of experts of the Opium Conference, which is dealing with technical aspects of the drug problem, has completed a report on the general question of cocaine and coca leaves. The experts agreed that they could not limit the growing of coca leaves, because the plant often grows wild, but they recommended that all governments exercise strict control over the traffic in them by means of export and import certificates.

The other sub-committees continued discussion of the functioning and powers of the Central Board for the control of the opium and drug traffic, and suggested changes in the American proposals regarding the gradual curtailing of opium production, as well as on Mrs. Hamilton Wright's proposal for the appointment of a committee of inquiry to visit opium producing countries.

GERMANY TO HOLD A DRUG FAIR

A German Drug Fair is to be held Aug. 1 to 9, 1925, at Stuttgart, writes Vice-Consul Erik W. Magnuson, Stuttgart. The exhibits will consist of cosmetics, toilet preparations, patent medicines, and chemicals. The coming fair is the third of its kind in Germany, the two preceding expositions having been held at Hamburg in 1922 and at Berlin in 1923.

Only manufacturers and dealers in goods handled by druggists are admitted to the fair, but the participation is not restricted to German exhibitors. American manufacturers and dealers are invited to exhibit. The rental of the floor space has been fixed at 20 marks (\$4.76) a square meter. One half of the rental is payable within eight days after the approval and confirmation of the application, the balance to be paid at the latest on April 1, 1925.

The Foreign Trade Bureau, Philadelphia Commercial Museum, has received an inquiry (42984), from a company at Madras, India, interested in the purchase of American bulk chemicals, pharmaceutical products, paints and varnishes.

CHANGE REGULATIONS ON ALCOHOL WITHDRAWN FOR DENATURING PLANTS

Proprietors Must Forward Permit to Each Bonded Warehouse From Which It Is Proposed to Obtain Alcohol—Further Withdrawals May Be Made Until Full Quantity of Alcohol For Which Permit Is Issued Is Obtained

Washington, D. C., Dec. 24.—David H. Blair, Commissioner of Internal Revenue, is sending an announcement to collectors regarding the procedure for withdrawing alcohol for denaturation, as follows:

Article 98, Regulations No. 61 is hereby amended to read as follows:

ART. 98. Upon the issuance of permit, Form 1433, the applicant may obtain and denature alcohol free of tax provided an officer has been assigned and the denaturants to be used have been approved for that purpose.

Where the denaturing plant is operated by the proprietor of an industrial alcohol plant for the denaturation of alcohol produced at such industrial alcohol plant or where the denaturing plant is owned and operated by a subsidiary corporation whose entire capital stock is owned by the proprietor of the industrial alcohol plant, the collector will issue to the proprietor, upon receipt of application, Form 1463, a withdrawal permit, Form 1464, in the case of denaturers filing bond in the penal sum of less than \$100,000, or permit or permits on Form 1465, where a bond in the penal sum of \$100,000 has been filed.

The permit, Form 1464, (where the penal sum of the bond is less than \$100,000), shall be issued for a fixed number of proof gallons and must be forwarded by the denaturer to the bonded warehouse or other denaturing plant with each order for alcohol to be shipped to such denaturing plant. The proprietor of the warehouse or plant making shipment shall enter on this permit the number of proof gallons shipped, and shall then return the permit to the applicant. Further like withdrawals may be made under such permit until the charges added thereon equal the full quantity of alcohol for which the permit was issued. After the full quantity of alcohol covered by the permit has been obtained, the denaturer, on surrendering same to the collector, may receive from that officer a renewal permit covering the available balance under the bond given, i.e., the full quantity covered by the bond less the quantity already withdrawn and remaining unaccounted for.

Under bonds given in a penal sum of less than \$100,000 two or more permits may be issued, provided the same do not exceed in the aggregate the quantity of alcohol covered by the bond. Where, however, renewal permit is called for, in such cases the same is not to exceed the quantity covered by the permit previously issued and returned for cancellation, nor are renewal permits to be issued unless the available balance on the outstanding bond, to be ascertained as above provided, warrants the issuing of such new permits.

In case of denaturers filing bonds in a penal sum of \$100,000, a permit, Form 1465, should be forwarded by such denaturers to each bonded warehouse or denaturing plant from which it is proposed to secure alcohol, and the proprietor of such warehouse or plant shall not ship such alcohol until the permit is in his possession. The collector shall keep a record of all permits, Form 1465, issued by him, and should a permit Form 1433 be canceled he shall forthwith notify the proprietor of each bonded warehouse or denaturing plant holding such permits, Form 1465, and after such notice no further shipments can be made to that denaturing plant.

In cases where permit Form 1433 has been issued to denaturers who are not duly qualified proprietors of industrial alcohol plants or subsidiary corporations whose entire capital stock is owned by the proprietor of an industrial alcohol plant, or where the proprietor of a denaturing plant who operates, or has permit to operate, an industrial alcohol plant, procures alcohol other than that produced by him (where a permit to purchase must be issued in order to secure alcohol from an industrial alcohol plant, alcohol bonded warehouse or denaturing plant), application should be made on Form 1463 for a permit to purchase, Form 1464. Where the penal sum of the bond is less than \$100,000 the permit, Form 1464, shall be issued for a fixed number of proof gallons, in accordance with the schedule set forth in Article 96, and in the case of filing bond in the penal sum of \$100,000, in accordance with the quantity set forth in application Form 1463, which must be in accord with the capacity of the plant and the legitimate business requirements of the denaturer in either case.

In order that the quantity of alcohol necessary may be determined the denaturer will be required to submit, for the consideration of the Commissioner of Internal Revenue through the collector of internal revenue in whose district the denaturing plant is located, orders, contracts, or other evidence tending to show that the quantity specified in Form 1463 is necessary for the conduct of legitimate business. When the quantity is fixed by the Commissioner monthly renewals may be made by the collector in the approved amount as long as same is warranted, but if any additional allowance is required, new contracts, orders, or other evidence must be submitted to the Commissioner. In the event of cancellation or discontinuance of contracts or orders the collector must be notified. These conditions will form a part of the permit issued for the operation of the denaturing plant.

Permits to purchase, Form 1464, issued to proprietors of denaturing plants who are not proprietors of industrial alcohol plants or subsidiary corporations whose entire capital stock is owned by the proprietor of an industrial alcohol plant will be limited to thirty days and must be renewed by making a new application, Form 1463, to the Collector at the end of each thirty day period.

The renewal permit to purchase, Form 1464, may be issued only for the full quantity set forth in the application, less the quantity already withdrawn during the thirty day period and remaining unaccounted for, as shown upon Form 1463-A. This permit to purchase will be forwarded by the denaturer to the bonded warehouse or other denaturing plant with each order for alcohol to be shipped to such denaturing plant.

Provided, however, in lieu of returning permits Form 1464 to the permittee after each shipment has been made, such forms may, at the option of the permittee, be retained by the bonded warehouse or denaturing plant from which shipments are to be made, until the expiration date thereof. Such permits must then be returned to the permittee for surrender to the Collector.

NATIONAL DRUG STORES IN RECEIVERSHIP

National Drug Stores Corp., operating a chain of drug stores in New York City, Newark and Philadelphia, has been placed in receivership by Federal Judge William J. Bondy, preparatory to reorganization. George W. Burleigh was appointed equity receiver on Friday, Dec. 19, with a bond of \$50,000.

The estimated liabilities are \$140,000, and assets \$280,000. Application for the receivership was made by David D. Vincent, treasurer of the Poldi Steel Corp. of America, through his counsel, Bouvier, Caffey & Beale, 165 Broadway, New York. Application for ancillary receivership has been made in Newark and Philadelphia, and Mr. Burleigh has been appointed ancillary receiver in those jurisdictions.

Mr. Vincent said he owned fifty shares of common and seventy-five shares of preferred stock of National Drug Stores Corp., which agreed to the receivership after admitting the petitioner's allegation that it was without sufficient cash to continue the business. The corporation was represented by Rothwell, Harper & Matthews.

The reorganization plan will be offered and adopted within the next sixty or ninety days. Vincent H. Rothwell of counsel for the corporation, explained that application for a receivership was made so that the business might continue without litigation. Charges that officers of the corporation were disposing of its stores and merchandise to its chief competitor, Louis K. Liggett Co., were made in the Supreme Court last February by minority stockholders in a suit to restrain Liggett Co. from acquiring any more National stores.

ALCOHOL OUTPUT SHOWS INCREASE

Alcohol production during the year ended June 30, 1924, was 135,897,725.83 proof gallons, an increase of 13,494,876.03 proof gallons, compared with the year previous, according to the report of the Commissioner of Internal Revenue, which says in part: "Withdrawals from warehouse on payment of tax were 9,379,729.21 proof gallons, and the withdrawals for tax-free and other purposes were 121,755,633.16 proof gallons.

"Denatured alcohol, amounting to 67,687,295.76 wine gallons, were produced during the year, of which 34,602,003.72 wine gallons were completely denatured, and 33,085,292.04 wine gallons were specially denatured, compared with 57,565,142.68 wine gallons of alcohol produced in the year previous, of which 27,128,229.54 wine gallons were completely denatured alcohol, and 30,346,913.14 wine gallons were specially denatured."

Compared with November a year ago, sales of drugs and chemicals, in the St. Louis district showed an increase of 8.3 per cent, and the total was 11.5 per cent larger than during September, this year. Improvement was pretty general through the entire line, but particularly noticeable in medicinal drugs and fine chemicals. Improvement in the metal industries has had a favorable effect on the demand for heavy chemicals. There was little change in prices in drugs and fine chemicals but the trend was upward. Of twenty-five changes, eighteen were advances and seven were declines.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1938

IMPORTED POTASH PERMANGANATE HIGHER

Generally Quoted at 15c Pound Spot—Domestic Also 15c Pound—Saccharin Lower—Japanese Camphor Easier—Menthol Unsettled—Mercury Firm and Active—Citric and Tartaric Acids Quiet—Bromides in Small Demand—Alcohol Active

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			Declined		
	Today	Last Week	Last Month	Today	Last Week	Last Month
Glycerin, Dynamite, 1/4 lb.				Potassium Permanganate, Imp., 1/2 lb.		
Camphor, Jap., Slabs, 1/2 lb.				Saccharin, 15c lb.		
Trend of the Market						
Acetanilid	\$36	\$36	\$36	\$32	\$20	\$20
Acid Citric, Import	.46	.46	.46	.47	1.25	.45
Caffeine Alkaloid	3.50	3.50	3.50	4.00	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., ref.	.67	.67	.67	.85	3.55	.41
Iodine, Resublimed	4.63	4.75	4.75	4.85	5.00	3.75
Menthol	13.00	13.00	13.75	10.25	13.50	3.00
Potassium Bromide, Cryst.	.48	.48	.48	.26	4.30	.80
Quinine Sulfate, Imp.	.30	.30	.30	.50	.90	.23
Sodium Salicylate	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate	.49 1/2	.49 1/2	.49 1/2	.68	2.05	.50
Average	2.34	2.35	2.42	2.15	5.92	1.56

While price changes in the fine chemical market have been few during the week, the statistical position of practically the entire list is still strong. Importers and manufacturers believe that little buying will take place during the balance of the year, but that from the first of 1925 consumers will realize the smallness of their stocks, and will buy in much larger quantities. American manufacturers have not changed their prices, but some minor products are in keen competition. Reports are heard that an inquiry for a car of potash permanganate on spot has been received, and one of the largest holders of the imported material does not think it can be filled for less than 15c pound. Mercury is firm and only small stocks are reported on spot, in fact, each sale made is a transaction by itself, and no two are the same. While spot menthol has been easing off, the forward positions appear to be strengthening. Any large buying between now and the first of the year, will probably cause higher prices in menthol.

Acetanilid—In steady demand at the moment at 36c @ 38c lb. spot as to quantity, and resale quarters name 35c @ 36c lb.

Acid, Acetylsalicylic—In fair demand at 75c @ 85c lb. spot by makers, and 72 1/2c @ 75c lb. from resellers. Some export inquiry reported.

Acid, Benzoic—U.S.P. in steady demand at 70c @ 75c lb. spot.

Acid, Citric—While demand has been quiet for the past two weeks, the market remains firm with imported named at 46c @ 46 1/2c lb. spot, and domestic at 46c @ 47c lb. Sellers are looking for some activity after the first of the year.

Acid, Diethylbarbituric—Imported named quiet at \$4.25 @ \$4.50 lb. spot with possibilities of doing less on a firm order. Domestic, \$8.00 @ \$9.00 lb.

Acid, Phenylcinchoninic—Domestic quoted in steady demand at \$9.00 @ \$9.60 lb. spot, and imported at \$7.00 @ \$7.25 lb.

Acid, Phosphoric—Demand small, although price of 15c @ 17c lb. spot is firm.

Acid, Salicylic—In active demand at 35c lb. spot, and resellers at 33c @ 34c lb.

Acid, Tartaric—Imported market is firm at 27c @ 27 1/2c lb. spot as to quantity with replacements fully equal to these values. Domestic, 29c lb.

Alcohol—Makers report an active demand, and in some instances are sold up for the next three months. Each cold snap, brings out fresh orders, which the trade finds considerable difficulty in filling. One producer is reported 1,000,000 gallons behind in orders. No. 1 specially denatured quoted on spot at 57 1/2c @ 59 1/2c gal. in drums, and 55 1/2c gal. in c/l. No. 5 completely denatured, 56 1/2c @ 58 1/2c gal. in drums, and 54 1/2c gal. in c/l.

Alcohol, Butyl—In active demand at 26c @ 28c lb. as to quantity.

Amidopyrine—While little business took place last week, the price remains firm at \$4.79 @ \$4.90 lb. spot for imported, and \$4.60 @ \$4.65 lb. for domestic material.

Antipyrine—Quiet at \$1.90 @ \$2.00 lb. spot.

Bay Rum—In better demand at \$1.05 gal. for St. Thomas, and 95c gal. for Porto Rican.

Bromides—Imported quiet at 49c @ 51c lb. spot for ammonium; 42c @ 44c lb. for potassium; and 43c @ 45c lb. for sodium. Domestic unchanged at 54c lb. spot for ammonium; and 48c lb. for either potassium or sodium goods.

Camphor—Japanese has declined and now quoted at 66 1/2c @ 67 1/2c lb. spot for slabs, and 80c @ 81c lb. for 1-oz. and 1/2 oz. tablets. Japan appears firmer than spot.

Castor Oil—In active demand at 17 1/2c @ 18 1/2c lb. spot as to quantity.

Codliver Oil—Buying of Norwegian has been active for the past four months, and judging from the time it takes to fill orders, exporters are having difficulty in locating stocks in Norway. At the present price of \$29.00 @ \$30.00 bbl. spot, dealers say that codliver oil is cheap compared with other oils. One importer is out of spot stocks, and he also reports that he is sold up for the next three months.

Cream Tartar—Imported in small demand at 19c @ 20c lb. spot as to quantity, and domestic at 21 1/2c @ 21 1/2c lb.

Formaldehyde—Makers report an active demand at 9 1/2c @ 9 1/2c lb. works in c/l, and 10 1/2c lb. in carboys. Resale quarters name 9 1/2c lb.

Fusel Oil—Market is easy at \$2.80 @ \$3.00 gal. spot as to seller and quantity with the possibility of doing less on a firm bid. Present market is in favor of the buyer.

Glycerin—C.P. in drums quoted steady at 19c @ 19 1/2c lb. spot as to seller, and dynamite higher at 18c @ 18 1/4c lb. as to location.

Guaiacol Carbonate—Quoted on spot at \$4.60 @ \$4.75 lb. as to seller. Reports are heard that a domestic manufacturer is now producing this item.

Hexamethylene—Imported easy at 64c @ 66c lb. spot as to quantity, and domestic at 75c @ 77 1/2c lb.

Hydroquinone—In small demand at the moment at \$1.40 @ \$1.50 lb. spot as to quantity.

Menthol—Market is steady at \$13.00@13.50 lb. spot as to quantity with Jan.-Mar. shipment named at \$10.25 lb. c.i.f. New York, compared with offerings a month ago for the same position at \$8.75 lb. c.i.f. Importers are afraid to stock heavily due to the rapid fluctuations this item has been undergoing during the past few weeks. Japan is attempting to stir up the market, as is shown by refusing to quote one day and then offering in fair quantities the next. Some dealers cannot but think that with the high prices, which have ruled for the past three years, the production of mint ought to increase materially. About four years ago, similar conditions prevailed, and the price dropped from \$14.00 to about \$6.00 lb. in a month's time.

Mercury—Supplies tending scarce at \$75@77 flask as to seller with a few small lots named at \$74 flask. Last week one large operator was willing to pay \$73 flask on spot, but could not locate any at this figure in spite of the reports that one seller was doing \$72.50 flask. London names £12 10s. per flask.

Potassium Permanganate—Imported has advanced to 15c@16c lb. spot, although some odd lots are still obtainable around 14½c lb. Domestic is also firm at 15c@16c lb.

Saccharin—Has declined and now quoted at \$1.75@1.85 lb. spot as to quantity owing to lower manufacturing costs.

Silver Nitrate—Has declined to 45½c@46½c oz. as to quantity due weakness in the silver market.

LIMIT OF LIQUOR FOR SICK UPHELD

The U. S. Circuit Court of Appeals has reversed the decision of the U. S. District Court that the provisions in the National Prohibition and Willis-Campbell acts limiting the amount of vinous and spirituous liquors physicians can prescribe for patients was unconstitutional and its enforcement should be enjoined. The complaint was made by Dr. Samuel W. Lambert, who claimed that it was his right to treat diseases of his patients according to the untrammelled exercise of his best skill and that he believed that the use as medicine of spirituous liquors is necessary in order to afford relief in certain ailments. The complaint objected to the limitation of one pint of spirituous liquors to one patient in ten days and to other prescriptive clauses in the law.

When Judge John C. Knox, on May 9, 1923, upheld the contentions in the complaint he explained in his decision that the complainant did not intend to prescribe for beverage purposes, that the question to be considered was whether the statute passed the bounds of reason, and that Congress in enacting the law complained of had intended to preserve and not to jeopardize and destroy the health of the people. The District Court thought that Congress should not invade the domain of medicine and that the right of the public to have the benefit of a valuable therapeutic agent transcended the power of Congress to decree otherwise.

The opinion says in part: "A person has an inherent right to life and, in order to maintain it, a right to eat and drink. But the right to drink liquors which are intoxicating the State or the United States may take away, and in order to do so effectively the Government may take away the right to drink certain liquors containing alcohol sufficient in amount to produce intoxication. That much is settled by the decisions of the courts."

C. L. Vietor, of Vietor & Hosken, New York, importers of pharmaceuticals, sailed last week on a four weeks' pleasure trip to Europe.

MERCURY IS HIGHER IN LONDON

Linseed Oil, Creosote Oil, White and Red Lead Also Advanced—Firm Market for Carbolic Acid, Ammonium Bromide and Potassium Carbonate—Lemon Oil Easier—Cocaine, Castor Oil and Shellac Lower
(Special Cable to Drug & Chemical Markets)

London, Dec. 24.—Higher prices are announced for linseed oil, mercury, litharge, creosote oil, white lead and red lead. The market is firmer on carbolic acid, ammonium bromide and potassium carbonate.

Prices are easier for oil lemon for future delivery, eucalyptol, camphor (Japanese slabs), and balsam tolu. Cocaine, castor oil and shellac are lower.

London, Dec. 13 (By Mail)—Camphor, refined English, has been reduced by the refiners by 2d per lb.; Bell's being now quoted at 4s 7d per lb.; flowers 3s 9d per lb., and tablets in proportion.

Oil peppermint, American, in tins, continues to advance, but while the spot market is exceedingly firm, the prices available on spot are somewhat lower than cabled offers "to arrive." The latest prices quoted are spot 40s 6d per lb and about 41s 9d c.i.f.

Mint oil, Japanese, dementholized, best brands, is in short supply and commands 23s 6d per lb., while forward shipments are variously quoted January-March 13s 6d, close at hand 21s 9d, November 17s 6d, all c.i.f.

Antimony crude is dearer on spot at £32 10s per ton. Ergot of rye, Spanish, is very firmly held at 2s 3d per lb. Russian and Polish crops are reported short.

Codliver oil is a trifle easier at about 120s per barrel c.i.f. London from Bergen.

Bromides are still firmly maintained except the potassium salt, which is easier at 1s 6d per lb.

China star anise oil is lower at 2s 7d per lb. on spot. Quicksilver and arsenic are firmer, while castor oil and linseed oil are dull and lower.

NICHOLS MEDAL GOES TO DR. FRANKLIN

The Nichols medal, awarded annually by the New York Section of the American Chemical Society, this year, goes to Dr. Edward Curtis Franklin, professor of organic chemistry in Leland Stanford University, California. The medal is bestowed "for the research published during the current year which in the opinion of the jury is most original and stimulative to further research." It was established by Dr. William H. Nichols.

Dr. Franklin was president of the American Chemical Society, last year, being succeeded by Dr. Leo Hendrik Baekeland, of New York. He was born in Geary City, Kan., in 1862.

Horace L. Wells, emeritus professor of chemistry at Yale, died on Friday, Dec. 19, at the age of 60. Professor Wells was known for his investigations in inorganic chemistry and had published books on analytical chemistry. He was graduated from Sheffield Scientific School at Yale in 1877. Two years later he was analyzing steel rails for the Pennsylvania Railroad at Altoona, and in 1880 was at Pueblo, Col., supervising chemically the construction of a plant for Colorado Coal and Iron Co.

Walter S. Goff, of the New York branch of Monsanto Chemical Works, will go to the main office at the plant in St. Louis on Dec. 29, to take charge of the sales of vanillin, coumarin, and saccharin. Victor E. Williams, now at the St. Louis office, will take over the work of Mr. Goff in New York. E. A. Johnson will remain as Monsanto branch manager for New York.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1947

AGAR AGAR IN ACTIVE DEMAND ON SPOT

No. 1 Kobe Tending Scarce—Cardamom Seed Higher—Cinchona Bark, Quills, Firmer—Ipecac Root, Rio, Firm—Lobelia Herb Scarce—Condurango Bark Lower—Fish Berries in Better Supply—Amber Sorts Firm—Buchu Leaves Easy

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Cardamom Seed, Bleached, 15c lb. Lobelia Herb, 6c lb.
Catnip Herb, 2c lb. Lupulin, 10c lb.
Cinchona Bark, Quills, 10c lb. Sarsaparilla Root, Mexican, 2c lb.
Fennel Seed, German, 1c lb. Soap Bark, Whole, 2c lb.
Ipecac Root, Rio, Whole, 10c lb.

Declined
Cascara Amarga, 25c lb. Condurango Bark, 1c lb.
Fish Berries, 2c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.....	.35	.35	.35	.50	.90	.42
Buchu Leaves, Short .....	.76	.76	.78	.90	4.00	.85
Cantharides, Russian .....	.85	.85	.80	1.25	9.00	2.10
Cocculus Indicus .....	.12	.12	.03	.03%	.85	.03
Ergot, Spanish .....	.60	.60	.65	.38	4.50	.54
Insect Powder, pure .....	.44	.44	.44	.65	1.00	.28
Ipecac, Cartagena, Powd..	2.35	2.35	2.50	2.60	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	.14%	.07
Opium gum	12.00	12.00	12.00	8.00	30.00	5.00
Rhubarb Root, H. D.....	.35	.37	.35	.34	1.75	.15
Tragacanth, No. 1, ribbon.	1.15	1.15	1.15	1.35	6.00	1.50
Wild Cherry Bk., thin nat.	.08%	.08%	.08%	.14	.21	.07
Average	1.58	1.58	1.57	1.35	5.28	1.60

The firming up of country prices has been the outstanding feature in the crude drug market during the week. Scarcities are becoming more numerous, and the trade thinks that with the opening of the new year, additional scarcities will be made known. Stocks of a number of botanicals are very low on spot, and all that is needed to cause advances, is a slight demand. The rise in domestic crude drugs is expected to carry as far as the upward swing in foreign botanicals. Some active export business has been reported in crude drugs. Any attempt to beat down prices has met with resistance from sellers. Little interest is shown in cascara sagrada at the moment. Ipecac stocks are reported not to exceed 1,000 pounds on spot. An inquiry came into the market early last week for six bales of No. 1 agar agar and was filled with considerable difficulty. An increase in buchu stocks was noted. Stocks of lobelia herb were reduced, and the best price quoted is 40c@42c lb. spot.

Aconite Root—In small demand at 35c@37c lb. spot as to quantity, and leaves, at 10c@12c lb.

Agar Agar—In small supply on spot at \$1.50@1.55 lb. for No. 1 Kobe material, and shipment named at figures slightly below these prices. Nos. 2 and 3 are quoted at \$1.45 and \$1.30 lb., respectively.

Aletris Root—Demand still active at 42c@44c lb. spot as to quantity.

Alkanet Root—In active demand at 8c@9c lb. spot.

Aloes—Curacao prices of 10½c@11c lb. spot are firm, and replacements are fully equal to these figures. Cape, 8½c@9c lb.

Althea Root—Cuts firm at 40c@45c lb. spot, and whole at 11c@12c lb.

Anise Seed—Spanish in fair demand at 15c@15½c lb. spot as to seller, and Star at 11c@11½c lb.

Arabic Gum—Amber sorts are in active demand at 13c@13½c lb. spot as to quantity. Some regular dealers are out of supplies at the moment.

Areca Nuts—Whole scarce at 21c@22c lb. spot with one house naming 23c lb. inside. Powdered, 23c@24c lb.

Balsams—While little business was reported last week, prices remain firm at \$11.00@11.50 gal. for Canadian fir, and \$1.05@1.15 gal. for Oregon fir. For other balsams, see "The Essential Oil Market."

Belladonna Leaves—Considered a good buy by sellers at 26c@27c lb. spot. Consumers, however, have other views. Root, 13c@14c lb.

Blueflag Root—Holders name 30c@32c lb. spot as to quantity. Demand slow.

Buchu Leaves—Last week 15 bales, with stems, were imported at New York. Whether these goods will pass the Department of Agriculture is not known by the trade. Heretofore, some goods have been offered for sale that were high in stems.

Caraway Seed—Dutch firm at 10½c@10¾c lb. spot, and African at 10c@10½c lb.

Cardamom Seed—Bleached have advanced and now quoted at \$2.25@2.35 lb. spot as to seller, due to active demand and small stocks. Green quoted at \$1.65@1.75 lb. spot, and London names 6s 3d per pound.

Cascara Amarga—Has declined to \$1.25@1.50 lb. spot as to quantity.

Cascara Sagrada—Spot holders name 14½c@15c lb. for l.c.l., and Coast quotes 13c up 15c lb. as to seller. Business in this item has not been very active for the past two months, but holders are firm and show little disposition to shade their prices, especially the largest ones.

Catnip Herb—Higher at 25c@29c lb. spot as to seller.

Cinchona Bark—Quills have advanced sharply, and now quoted at 60c@70c lb. spot, and broken at 26c@27c lb.

Condurango Bark—Has declined to 14c@15c lb. spot as to quantity owing to increase of spot supplies and tendency for weak holders to shade prices.

Damiana Leaves—Quoted nominally at 40c@45c lb., although prices as high as 75c lb. have been heard.

Dandelion Root—In small demand at 23c@25c lb. spot as to seller, with tendency to lower figures.

Elm Bark—Select firm at 26c@28c lb. spot as to seller, and powdered at 23c@25c lb.

Ergot—Market remains firm, although business at the moment is quiet. Quoted at 60c@65c lb. spot.

Fennel Seed—German new crop material quoted higher at 16c@18c lb. spot, and French at 10c@10½c lb.

Fish Berries—Lower at 10c@12c lb. spot owing to the arrival of cheaper material.

Insect Powder—Spot steady at 44c@46c lb. with replacements quoted slightly above these figures.

Ipecac Root—Rio higher at \$2.25@2.30 lb. spot for whole, and \$2.40@2.50 lb. for powdered. Cartagena named at \$2.15@2.20 for whole, and \$2.35@2.45 lb. for powdered. Stocks of both kinds on spot have been

placed at 1,000 pounds, of which 300 pounds are Cartagena goods.

Juniper Berries—In active demand at 5½c lb. for single sifted, and 8c lb. for double.

Lobelia Herb—In active demand and higher at 40c@42c lb. spot owing to scarcity. Sales have been made at the minimum figure.

Lupulin—Higher at \$1.25@\$1.30 lb. spot for domestic

Lycopodium—Firm at 58c@60c lb. spot.

Rhubarb Root—Market extremely firm at 35c@37c lb. spot for whole, and 43c@45c lb. for powdered material.

Saffron Flowers—Spanish scarce at \$44@\$45 lb. spot, and American at 60c@64c lb.

Sarsaparilla Root—Mexican higher at 22c@23c lb. spot, and Honduras scarce at 65c@70c lb., with one house inside at 70c lb.

Senna Pods—Generally quoted at 13c@14c lb. spot, although some holders are much firmer in their views.

Soap Bark—Whole higher at 10c@11c lb. spot, and crushed at 11c@12c lb.

Worm Seed—Levant in fair demand at \$2.75@\$4.00 lb. spot as to test and seller.

Lambert Pharmacal Co., St. Louis, and Emerson Drug Co., Baltimore, have endowed rooms in the Druggists' National Home, Palmyra, Wis. Other manufacturers who endowed rooms when the home was opened are The Upjohn Co., Chattanooga Medicine Co., Horlick's Malted Milk, Foley & Co., Pepsin Syrup Co., Dr. Shoop Laboratories, Dr. Miles Medical Co., E. R. Squibb & Sons.

The U. S. Civil Service Commission announces examinations for the position of inspector and agent under the Anti-Narcotic Act at an initial salary of \$2,100 a year. Applications will be received up to Jan. 20, 1925. Full information and application blanks may be obtained by writing to the Commission at Washington, D. C., or applying at the postoffice or custom house in any city.

The six stores of Scholtz-Mutual Drug Co., Denver, Col., will be sold at public auction on Jan. 10. They are to be offered first separately then the chain as a whole will be placed on the block. No offer for any of the property will be considered unless it is at least 75 per cent of the valuation, approximately \$125,000 in all.

Exports of kauri gum from New Zealand for October, according to George H. Lincks, were: United Kingdom, 269 tons, £17,361; Canada, 6 tons, £374; Australia, 2 tons, £127; Germany, 4 tons, £921; United States, 42 tons, £6,445. Production for November was 340 tons.

W. C. Marshall president of Marshall Drug Co., Cleveland, has been elected a director of the Guardian Savings and Trust Co. The Marshall Co. operates 33 retail stores in Cleveland and a wholesale house and has been established for forty years.

The drug factory of McLaughlin, Gormley, King Co., Rockaway, N. Y., was destroyed by fire of unknown origin, last week. The total loss is not known. Partially covered by insurance.

H. S. Caldwell, an Oklahoma City druggist, was elected a member of the State Legislature, at the recent election, receiving 3,390 votes to his Democratic opponent's 3,150.

Dr. John M. Fly, 76, a physician and druggist of Leesville, Texas, pleaded guilty to violation of the narcotic laws, recently, and was fined \$1,000.

ST. LOUIS DRUG EXPORTS GROWING

Elm Bark, Golden Seal, and Wahoo Bark Developing Shortages in Primary Market

(Special to DRUG & CHEMICAL MARKETS)

St. Louis, Dec. 24.—Signs of increasing demand for crude drugs have been evidenced in the local market during the past month. A feature of the end of the year business has been the call for large lots for export, skull cap, wahoo bark of root, and golden seal being leaders in their marked movement abroad.

Shipments, during the Fall, from gatherers to this primary market, have been somewhat beyond the trade's expectation, in view of the prices; and stocks on hand have been considered ample, if not generous. Eastern brokers and domestic consumers have shared this view apparently, and until the end of November purchases here have been mainly of a routine character, small quantities for immediate use. The best interest has been displayed in serpentaria at 75c, wahoo of root, 82c@85c, golden seal \$3.60, skull cap (western) 22c, and black haw root 28c. Except for a few odd lots, which drift in to the St. Louis dealers, especially during an open winter, there will be no material addition to stocks, and local dealers are pointing to the low stocks in local warehouses of golden seal, wahoo bark and elm bark for grinding, as signs that even the present comfortable supplies are not inexhaustible.

The nationwide business revival is considered a sure indication that shipments to St. Louis from gatherers and diggers will be less during the 1925 season. High prices will be necessary, in view of rising farm prices, to bring to the market even a normal supply of crude drugs. This future expectation, plus the more active present demand, makes local dealers well contented with their stocks and none too anxious to clear their floors of drugs at present prices.

BISHOP BRENT ATTACKS OPIUM CONGRESS

Bishop Charles F. Brent of Buffalo, who has been attending the Narcotic Conference at Geneva, and returned this week, expressed the opinion that the conference might curtail the opium evil, but said India was fighting to prevent it. He said:

"The first conference collapsed, or did worse than collapse. It is composed of the eight nations in which opium smoking is temporarily allowed under The Hague Convention. On the 5th of December, after a session of five weeks, they reached an agreement that was a travesty. It was immediately attacked by our delegation. Representations were made to the French and British Governments that it was so bad that America could not countenance it in any way as a signatory of The Hague Convention, and that if it were signed it would be a degradation of the very principle of international compacts. The result was that on the day appointed for signature, the 15th, the English and French delegations announced that they were not in a position to sign, which resulted in a postponement of all signatures."

The Opium Conference meets again on Jan. 12, and the American proposal for the suppression of traffic in prepared opium will be the first subject taken up.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (43,005) from a concern at Aleppo, Syria, in the market for alcohol of 40, 60 and 90 degrees, with prices c.i.f. Syrian ports.

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1961, *Essential Chemicals*, page 1962

OIL CEDARWOOD IN SMALL SUPPLY ON SPOT

Country Not Offering—Oil Caraway Easier—Oil Lemon-grass Firmer—Oil Cassia Easier—Oil Anise Firm—Oil Peppermint Quiet—Oil Orange Firm—Oil Eucalyptus in Better Supply—Oils Wormwood and Erigeron Firm

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Oil Lemongrass, 10c lb.

Declined
Oil Caraway, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.35	\$3.65	\$3.40	\$2.90	\$7.00	\$5.00
Oil Citronella, Ceylon ....	.75	.75	.73	.95	1.02	.60
Oil Cloves	2.00	2.00	2.10	2.50	3.70	1.40
Oil Lemon, Italian .....	.93	1.00	.90	.73	1.70	2.00
Oil Peppermint, Nat.	9.75	10.00	8.00	3.25	9.00	2.25
Oil Sandalwood, E. I.	6.85	6.85	7.00	6.90	14.00	5.25
Oil Sassafras Artif. ....	.35	.35	.35	.38	1.00	.26
Benaldehyde, U.S.P.	1.50	1.50	1.60	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cans...	.47	.47	.47	.47	1.00	.90
Vanillin .....	.49½	.49½	.49½	.50	.95	.20
Average	2.70	2.76	2.56	2.21	6.83	2.05

Although few changes in prices of essential oils occurred during the week, the market is generally firm, and on any appreciable buying prices probably will advance owing to smallness of spot stocks. The essential oil trade in general has had some active business, especially over the last quarter of 1924. Stocks have been on the short side a sufficient number of times to cause a continual firm market. The wide range of prices in a few items, shows that goods are still sold on quality, and if a consumer pays a dollar a pound for an oil, he usually gets that quality. Offerings of cassia are on the increase, but prices do not appear to be declining to any extent. Holders of oil peppermint in the country are still firm. Of the more important oils, the ratio is still about eight to one in favor of the firm products. Supplies of oil cedarwood are scarce, and little is coming out of the country.

Essential Oils

Oil Almond—Sweet is firm at 80c@85c lb. spot as to quantity with replacements fully equal to these values. Bitter quoted at \$3.15@\$3.25 lb., and fIPA at \$3.25@\$3.50 lb.

Oil Anise—While business last week was confined to routine demand, the prices are still inside at 60c@62c lb. spot for U.S.P., and 55c@57c lb. for technical material. Dealers are hoping that the present firmness in anise will not be as short-lived as last year.

Oil Bay—Quoted on spot at \$2.20@\$2.35 lb. as to quality and seller.

Oil Bergamot—Prices range from \$3.35 lb. up to \$3.80 lb. for coppers as to quality. Demand has been slow in spite of the bullish news that has been received on spot in regard to the extent of the damage of the cyclone in Italy.

Oil Bois de Rose—Supplies tending scarce at \$4.75@\$5.00 lb. spot as to quality.

DRUG AND FINE CHEMICAL SECTION

Oil Camphor—In small demand at 13½c@14c lb. spot for Japanese in drums, and 14c@14½c lb. in cases.

Oil Caraway—One of the few weak items. Quoted lower at \$2.75@\$2.85 lb. spot. The price does not appear to have declined far enough for any noticeable buying.

Oil Cardamom—Firm and active at \$33.00@\$34.00 lb. spot.

Oil Carvol—In small demand and weak at \$9.50@\$10.50 lb. spot as to quantity.

Oil Cassia—Spot price remains steady in spite of the weaker shipment figures. Redistilled quoted on spot at \$2.70@\$2.90 lb. as to seller and quantity. As soon as demand picks up, the price ought to develop strength due to the smallness of the present spot stocks.

Oil Cedar Leaf—In fair demand at 85c@95c lb. spot.

Oil Cedar Wood—Stocks on spot are low, and practically nothing is offered for shipment. Quoted at 80c@85c lb. The usual export demand is absent at the moment. Some supplies will arrive in January, but these are said not to be very large. The new distiller is not offering any oil at the present time.

Oil Citronella—Ceylon is quoted at 75c@82c lb. spot in drums, and 78c@85c lb. for less, although some houses are quoting less to get the business. Primary market is firmer than spot due to the advance in pound sterling. Java is still scarce with nothing to offer for shipment.

Oil Cloves—Price is steady at \$2.00@\$2.10 lb. spot in cans, and \$2.10@\$2.20 lb. in bottles.

Oil Coriander—Holders naming \$10.75@\$11.00 lb. spot as to quantity.

Oil Cubebs—In small demand at \$4.50@\$4.75 lb. spot as to quantity.

Oil Erigeron—Spot market is firm at \$3.75@\$4.00 lb. spot as to seller. Business has been done in the country at the inside figure.

Oil Eucalyptus—While the prices of 57c@59c lb. spot in drums and 59c@61c lb. in cans are being quoted, stocks are in better supply, but sellers are not apt to shade prices in view of the best consuming season now being at hand.

Oil Geranium—Bourbon is easy at \$7.00@\$7.50 lb. spot as to quality, and Algerian named at \$7.25@\$7.75 lb.

Oil Lavender—Demand active and prices of \$5.00@\$7.50 lb. spot are still firm.

Oil Lemon—Italian firm at 93c@\$1.10 lb. spot with shipment from new crop named at 70c lb. c.i.f. New York. Stocks on spot limited, and little buying reported for shipment. American, 85c@90c lb.

Oil Lemongrass—Has advanced and now quoted at \$1.30@\$1.40 lb. spot as to quantity. The active business over the last two months has about cleared up spot stocks. Primary market offering small lots only.

Oil Orange—Italian is firm at \$2.75@\$3.00 lb. spot as to seller with prompt shipment named at \$2.25 lb. c.i.f. New York. Business spotty last week. West Indian, \$2.70@\$2.80 lb. and American at \$2.75@\$2.80 lb.

Oil Peppermint—Price of \$9.75@\$10.00 lb. spot still remains firm for natural, and \$10.25@\$10.50 lb. for re-

distilled. Some speculative buying reported. Exports have fallen off in view of the active demand on spot.

Oil Sandalwood—East Indian scarce at \$6.85@7.10 lb. spot as to seller and quantity.

Oil Tansy—Firm and scarce at \$3.20@3.30 lb. spot as to quantity.

Oil Wormseed—Competition keen for available business at \$3.25@3.40 lb. spot as to quantity. Some dealers, who have high priced oil on their hands, are not meeting the market.

Oil Wormwood—In active demand at \$4.00@4.50 lb. spot.

Balsams

Peru—Price remains steady at \$1.95@2.05 lb. spot.

Tolu—Supplies are somewhat easier at \$1.65@1.75 lb. spot as to quantity.

Vanilla Beans

Bourbon—Steady at \$9.00@9.50 lb. spot as to quantity.

Mexican—Whole firm at \$11.00@12.00 lb. as to quantity, and cuts at \$9.00@9.50 lb.

Aromatic Chemicals

Bornyl Acetate—In fair demand at \$3.75@4.00 lb. spot as to quantity.

Coumarin—In better demand than last week at \$3.25@3.45 lb. spot from first hands, and \$3.25@3.30 lb. from resale quarters.

Methyl Salicylate—In active demand at 45c@47c lb. spot by makers.

Terpineol—Easy at 42c@49c lb. spot as to quantity for domestic, and 50c@55c lb. for imported material.

Vanillin—Makers report an active demand at 49½c@51c oz. spot as to quantity.

The sales force of McCormick & Co., Baltimore, is in session at the company's offices and plant in Baltimore, this week. About 100 salesmen from nearly every state are present. W. M. McCormick, Roberdeau A. McCormick, Richard H. Bond, George M. Armor and others addressed the men on spices, specialties, and extracts. A film showing the gathering and preparation of tea was a feature of the meeting. An oyster roast and moving picture entertainment were given at the laboratories on Tuesday evening.

Magnus, Mabec & Reynard, New York, essential oils and aromatic chemicals, held a three-day sales conference from Dec. 18 to 20. The session opened Thursday afternoon at the offices of the company, and on Friday lunch was taken at the Drug & Chemical Club. On Friday night, the entire gathering attended the theatre. The conference ended on Saturday, when a banquet was given at the Waldorf Astoria.

Fox & Clarke Co., New York, has been appointed sole selling agent in the United States for Societe des Produits de Synthèse, Paris, France, manufacturers of the "Sopros" brand of synthetic chemicals.

Damage estimated at \$50,000 was done to stock and manufacturing apparatus of Palmers' Ltd., Montreal, manufacturers of the Minty toilet and perfumery specialties, by fire Dec. 20.

Fritzsche Bros., New York, essential oils and aromatic chemicals, have sent out to the trade, a 1925 desk calendar along with Christmas Greetings attached to the price-list.

Neumann-Buslee & Wolfe, Chicago, essential oils, have mailed a 1925 calendar to the trade.

SICILIAN ESSENCES IN LESS DEMAND

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Dec. 13.—The demand for Sicilian essential oils is small and comes principally from foreign clients, who take advantage of the present low value of the lira, that has brought the dollar to lire 23.05 and the English pound sterling to lire 107.50. The principal buyers are the United States and England. France and Germany are too much occupied with politics, and the evacuation of the Ruhr. The following table shows that the offers per Sicilian pound for the products of the old harvest were often above those made for the products of the new harvest:

	Nov. 10		Nov. 20		Nov. 30	
	Old Prod. lire.	New Prod. lire.	Old Prod. lire.	New Prod. lire.	Old Prod. lire.	New Prod. lire.
Lemon juice ..	9-9.10	8-8.50	8.90-9.10	8-8.50	9.10-9.20	8.10-8.15
Sweet orange..	20-20.50	28-28.75	23.90-24.60	28-28.50	23.50-29	28-28.50
Bitter orange..	24-26	23-24	23.90-25	23-24	23.50-24.50	23-24
Mandarine	88-88.20	75-76	88-88.50	75-76	88-80.50	75-76
Bergamot oil ..	52-52.70	43-44	52-53	43-44	52-53	43-44

Italian exports of essential oils during the first six months of this year were 772,645 kilos, against 543,357 kilos during the same months of 1923. Of such exportations 232,930 kilos were shipped to the United States, 229,986 kilos to England, 3,013 kilos to Austria, 3,171 kilos to Belgium, 3,094 kilos to Denmark, 123,694 kilos to France, 73,122 kilos to Germany, 28,479 kilos to Holland, 12,569 kilos to Spain, 722 kilos to Sweden, 3,041 kilos to Switzerland, 7,656 kilos to Japan, 1,107 kilos to British India, 22,383 kilos to Australia, 2,812 kilos to Egypt, 4,996 kilos to Argentina, 6,450 kilos to Canada.

PEPPERMINT QUIET AFTER SHARP ADVANCE

Oil peppermint has quieted down somewhat after its spectacular rise during the last three months. With the price about 200 per cent above normal and with new crop material about nine months off, still further advances are possible. Although \$9.75 per pound is generally quoted, a few odd lots are obtainable at \$9.50 per pound. Supplies in dealers hands are small, and they expect a seller's market to continue for some time to come. Perhaps after inventory time, consumers will discover that their stocks need replenishing, and the market may advance still further, which will show that the 1924 crop is near to 200,000 pounds, instead of 400,000 pounds, as some of the large operators in the Middle West said in July. All the supplies held in Michigan are reported to be in the hands of the largest dealers, the small producers having sold out after the distillation season. This method of handling the market prior to a harvest, is similar to the one used in Japan just before mint is bought up, according to the trade.

London reports small stocks in first hands, since most of the goods shipped over during the last two months have either gone into consumption or are ready to be distributed. Exporters in New York are not inclined to consign peppermint to London houses, as they can sell all they have in America.

The bergamot market is still in a state of confusion, as speculators continue to circulate exaggerated reports concerning the damage to the new crop, according to Joseph H. Bowne, New York, who has received the following advice from Fratelli Jung: "Producers, in holding off the market, are hoping to drive prices up further, and unless one wishes to discourage this unhealthy situation, it is better to leave the article alone for the time being. As soon as the position calms down a little and some definite price can be named, we will make a point of cabling you."

Drug Consuming Industries

DRUGGISTS PREPARATIONS GAIN 24 P. C.

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 24.—The output of druggists' preparations, patent medicines and compounds, and perfumery and cosmetics during 1923 had an aggregate value of \$425,102,073, an increase of 24.5 per cent compared with \$341,472,204 in 1921, the last preceding census year, according to a report by the Census Bureau.

The total for 1923 was made up as follows: Alkaloids and derivatives (quinine, morphine, nicotine, codein, caffeine, strychnine, cocaine, heroin), \$6,411,753; synthetic preparations (principally coal-tar medicinals), \$2,401,675; biological products (serums, vaccines, toxins), \$13,892,495; other druggists' preparations, not patent or proprietary (tinctures, fluid extracts, medicinal syrups, and other liquid preparations; pills, tablets, powders, and pharmaceutical metals and their salts—bromides, citrates, bismuth), \$56,993,526; patent and proprietary medicines for sale to the general public, \$126,936,043; ethical specialties, \$38,621,315; patent and proprietary compounds (antiseptics, boiler compounds, deodorants, disinfectants, fire-extinguishing compounds, germicides, insecticides), \$62,669,525; perfumery, cosmetics, and toilet preparations, \$117,175,741.

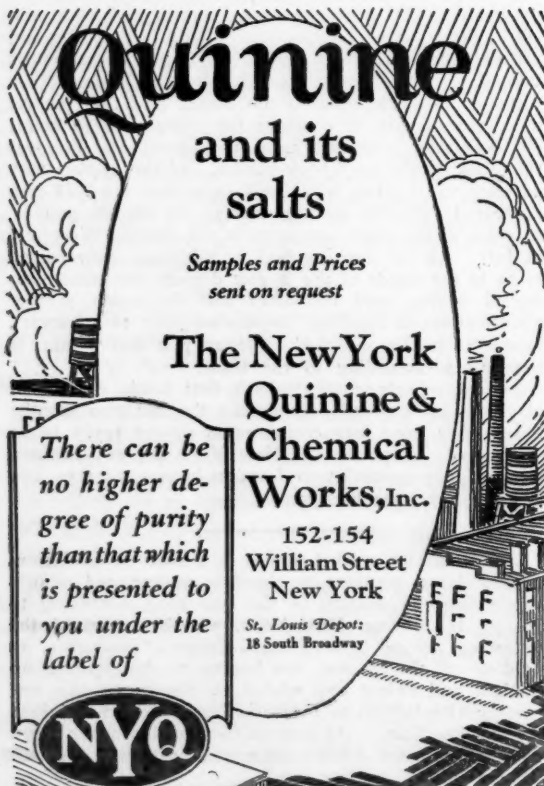
Of the total given for patent and proprietary medicines for sale to the general public, \$862,403, or 0.5 per cent, was contributed by medicines containing narcotic drugs

(opium, codein, heroin, morphine, or cocaine); and of the total for ethical specialties, \$1,347,861, or 3.5 per cent, represents the value of medicines containing such drugs.

R. W. Proctor, secretary of William S. Merrell Chemical Co., Cincinnati, died at his home from heart disease following an attack of influenza, on Dec. 7. Mr. Proctor joined the Merrell organization many years ago, going to Cincinnati from Boston. Originally a laboratory man, his ability eventually led to his selection as secretary of the company. At the time of his death he was also acting as the technical adviser to both the sales and advertising departments, and was a factor in practically all the activities of the house.

The board of directors, Wm. S. Merrell Chemical Co., Cincinnati, has elected Lee Wiltsee as secretary to succeed R. W. Proctor, deceased. W. M. Billing was elected assistant secretary and E. A. Joering assistant treasurer. R. W. Proctor was connected with the company for over thirty years.

The New York Section of the American Chemical Society has elected Prof. James Kendall, Columbia University chairman for 1925, Dr. B. T. Brooks, consulting chemist, vice chairman, and D. H. Killeffer, associate editor of Industrial and Engineering Chemistry, secretary-treasurer.



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Of Interest in the Trade

Merck & Co., New York, have sent a 1925 calendar to the trade.

Morphine, heroin and cocaine put on the market in Germany, whether imported or of domestic production, are subject to a tax of 50 reichsmarks per kilogram.

An increase of 33 per cent in the imports of medicinal preparations into Switzerland is reported for 1923 bringing the amount for the year up to 9,033,000 francs.

American Pharmaceutical Manufacturers' Association at its Chicago meeting expressed willingness to co-operate with the Bureau of Chemistry in establishing legal standards for pharmaceutical products.

The American Chamber of Commerce in Spain, Rambla Estudios 8, Barcelona, Spain, has received in inquiry (422) from a Barcelona concern interested in American chemicals, and affiliated products.

A factory to extract ichthyol from petroleum was put in operation this week in Kern County, California. It was built by Devil's Den Oil & Refining Co. which has a number of shallow wells for the production.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, Chicago, has received an inquiry (4204) from a company at Vienna, Austria, in the market for iodine, iodine salts and luminous paint.

A recent decision by the Board of United States General Appraisers on the protest of Scientific Utilities Co. states that small blown glass vials with metal caps, used as containers for tablets, are properly dutiable at 50c per gross.

Professor Moses Gomberg, Department of Organic Chemistry, University of Michigan, has been elected by the jury of award to receive the Willard Gibbs medal in 1925, at the May meeting of the Chicago Section of the American Chemical Society.

The proposed amendment to the Cramton bill, providing for a board of review to supervise the decisions of the Prohibition Bureau chief, was approved by the executive committee of the Manufacturing Chemists' Association at their meeting on Dec. 17, in New York.

Essential oil business has not been large, but prices have a steady undertone, according to "The Chemist and Druggist," of London, which says: "American peppermint oil continues to advance, and is in good demand. Japanese oil of mint for forward shipment is also higher. Bergamot remains at last week's figures, and apparently the storm experienced has not caused any serious damage."

The import duty on cold cream amounts to 1 mark (23.8 cents) per kilo (2.20 pounds), according to item 355 of the German customs tariff, and on tooth paste 3 marks (71.4 cents) a kilo, according to item 358. The import duty on crude vaseline is 12 pfennigs (2.9 cents) per kilo, item 258; 80 pfennigs (19 cents) if mixed with medical ingredients, item 388; and 1 mark (23.8 cents) if mixed with perfume, item 355.

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Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs**, **Essential Oils**, including cleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls. D	.26	.28
100 lb kgs. D	.27	.30
USP 200 lb bbls. D	.36	.38
Second Hands. D	.35	.36
85-89%, 107 lb chys. D	.38	.40
Acetic Anhydride. D		
90-95%, 100 lb chys. D	.41	.45
CP, 100 lb chys. D	.75	.80
Acetone, CP 700 lb drs. c/l wks. D	.14	.16
700 lb drs. le/l wks. D	.14½	.17
350 lb drs. le/l wks. D	.14½	.17
Second Hands, spot. D	.15	.16
Acetone, 100 gal. drums. D		.85
Acetone Oils, light, drs. wks. gal	1.40	1.45
Heavy, drs. wks. gal	1.40	1.45
Acetophenetidin, 150 lb bbls. D	1.85	1.90
Acetyl Chloride, 100 lb chys. D	.40	.41
ACID, 1, 2, 4, 250 lb bbls. D		1.30
Acetic, 28%, 400 lb bbls., c/l		
wks. 100 lb	3.12	
28%, le/l wks. 100 lb	3.37	
56%, c/l wks. 100 lb	5.85	
56%, le/l wks. 100 lb	6.10	
70% bbls., c/l wks. 100 lb	7.20	
70% le/l wks. 100 lb	7.45	
80% coml. bbls., c/l wks. 100 lb	8.19	
80% coml. le/l wks. 100 lb	8.44	
80% pure bbls., c/l wks. 100 lb	9.98	
80% pure le/l wks. 100 lb	10.23	
Glacial, bbls., c/l wks. 100 lb	11.01	
Glacial, le/l wks. 100 lb	11.26	
Glacial USP chys. wks. 100 lb	11.76	
Acetylacetylic, 230 lb bbls. D	.75	.85
Second Hands. D	.72½	.75
Anthranilic, tech., drs. D		.94
99-100%, 100 lb drs. D		1.90
Benzene, tech. 100 lb bbls. D		.75
Tech. ton lots bbls. D		.70
USP, 100 lb bbls. D	.75	.85
Second Hands. D	.70	.75
Boric, crys. powd. 250 lb bbls. D		.09½
Kept, 100 lb D	.10	.10½
Bremer's 250 lb bbls. D		1.25
Butyric, 60% pure 5 lb bot. D	.40	.50
C.P. 10 lb bot. D	1.35	1.50
Camphoric USP, VIII 1 lb bot. D	5.90	6.00
Carbolic, USP crys. see also Phenol		
112 lb tins D	.26	.27
25 lb tins or bot. D	.28	.29
5 lb bot. D	.30	.32
1 lb bot. D	.35	.36

Acid Carbolle—(continued)		
Liquid USP, 1 lb bot. D	.34	.35
Crude, 25% 50 gal. bbls. gal	.33	.35
10%, 50 gal. bbls. gal	.27	.30
Carbonic, see Carbon Dioxide		
Chloroacetic. D		
mono 100 lb bbls, wks. D		.25
DI, 150 lb chys wks. D		1.00
Tri, 425 lb. bbls, wks. D		2.50
Chlorosulfonic, 1500 lb drs. D		
wks. D	.15	.16
Chromic, USP, 200 lb drums. D		.40
85% Pure, 200 lb drums. D		.35
Chromotropic, 300 lb bbls. D		1.35
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans. D		3.93
CITRIC, USP crys. 250 lb bbls. D		.46
Powd., USP, 200 lb bbls. D		.47
Imported, crys. 112 lb kgs. D	.46	.46½
Single kgs. D		.47
Cleores, 250 lb bbls. D	1.00	1.10
Crocylic, 95% dark dr. NY. gal	.55	.60
97-99% pale, drs. NY. gal	.60	.65
Crude, spot, drums. gal		...
Diethylbarbituric, Dom., 25 lb lots,		
1 lb bot. D	8.00	9.00
Imp. 10 lb lots D	4.25	4.50
Formic, 85% tech. 140 lb chys. D	.10½	.11
90%, 80 lb chys. incl. D	.11	.11½
Gallie, USP, 150 lb bbls. D		.70
Gamma, 225 lb bbls., wks. D	1.40	1.50
Glycerophosphoric, 25% 1 lb b. D	1.85	1.95
H 225 lb bbls wks. D	.72	.75
Hydriodic, 10% USP 5 lb bot. D		.75
Hydrobromic, 48% coml. 155 lb		
chys. wks. D	.45	.48
48% coml. 10 chys. wks. D		.45
40% USP 155 lb chys. wks. D		.55
10% USP 100 lb chys. wks. D		.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys. D	.08	.11
HYDROFLUORIC, 30% 400 lb bbls.		
wks. D		.07
30% bbls., c/l wks. D		.06
30% 100 lb chys. wks. D		.07
48% single 100 lb chys. wks. D		.11
48% 10 chys. wks. D		.10
52% 100 lb chys. wks. D		.14
52% 10 chys. wks. D		.11

Acid, hydrofluoric—(continued)		
60% 100 lb chys., wks. D		.14
60% 300 lb dr., wks. D		.13
White Acid, 100 lb chys. wks. D		.26
White Acid, 10 chys. wks. D		.25
Hydrofluosilicic, 35% 450 lb bbls.		
wks. D		.13
Hypophosphorous, USP 30% 5		
gal. demis. D		.85
USP, 10% 5 gal. demis. D		.30
LACTIC, 22% dark 500 lb bbls. D	.05½	.06
22% light, bbls. D	.06½	.07
44% dark, bbls. D	.11½	.12
44% light, bbls. D	.13½	.14
66% dark, bbls. D	.18½	.19
66% light, bbls. D	.28	.30½
USP IX 100 lb chys. D		.80
USP VIII 100 lb chys. D		.75
Laurent's, 250 lb bbls. D		.90
Metallic, 250 lb bbls. D	.60	.65
Mixed, sulfuric-nitric		
Drums, wks. N Unit	.07½	.08
Drums, wks. S Unit	.01	.01½
Tank cars, wks. N Unit	.06½	.07
Tank cars, wks. S Unit	.009	.01
Molybdic, 85% pure 100 lb kgs. D	1.35	1.60
100% C.P. 100 lb kgs. D	2.00	2.10
Monosulfonic F, Delta, 50 lb		
tins D		2.10
MURIATIC, 20° chys. le/l		
wks. 100 lb	1.60	1.75
Chys. c/l wks. 100 lb	1.20	1.25
Tank cars, wks. 100 lb	1.00	1.10
18°, 120 lb chys. D		
c/l wks. 100 lb	1.00	1.10
Tank cars, wks. net ton		...
22°, 120 lb chys. D		
c/l wks. 100 lb	1.75	2.00
Iron, free 20° chys.		
c/l wks. 100 lb		...
Tank cars, wks. net ton		...
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech. 250 lb bbls. D		.63
Refined, single bbls. D		.65
Neville & Winter's, 250 lb		
bbls. D	1.10	1.25

<p><u>Photographic</u></p> <p>Iodized Negative (base) Stripping</p>	<h1 style="margin: 0;">Collodion</h1> <p><u>Amyl Acetate</u> 6 oz. stock. We also make up to your exact specifications.</p>	<p><u>Medicinal</u></p> <p>U. S. P. Plain U. S. P. Flexible</p>
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65 BROADWAY, NEW YORK

Chemicals

ACID, NITRIC, 36° 135B			ACID, Sulfuric			ALCOHOL—(continued)		
1c/l chys. wks.....100B	4.75	5.35	Oilum 20 p.c. 1500B drums			Isopropyl, Refined, 90-91%,		
Chys. c/l wks.....100B	4.50	4.75	1c/l wks.....100B	1.50	1.75	50 gal. drs.....gal	3.75	
38° 1c/l chys. wks.....100B	5.25	5.75	Drums, c/l wks.....100B	1.25	1.50	Ref'd, 98-99%, drs.....gal	4.75	
Chys., c/l wks.....100B	5.00	5.25	Tank cars, wks.....net ton	17.00	18.00	Methyl, see Alcohol, Wood		
40° 1c/l chys. wks.....100B	5.75	6.00	Contract cars, wks.....ton			Propyl. nml. crd. 50 gal. drms.gal	4.40	
Chys., c/l wks.....100B	5.50	5.75	Oilum, 40% drs 1c/l wks.net ton		40.00	Refined, 10B cans.....B	.75	
42° 1c/l chys., wks.....100B	6.25	6.75	Oilum, 60% drs., 1c/l wks.net	60.00	70.00	Denatured		
Chys., c/l wks.....100B	6.00	6.25				50 gal. bbl. incl.....gal	.65½	.67½
C. P. chys. single wks.....100B	.15	.16	Sulfuric, USP 6% 100B chys.B	.05	.06	Car lots, .....gal		.63½
Oralic, 300B bbls., wks.....B	.09½	.09%	4% 100B chys.....B	.04	.05	50 gal. drums, extra .....gal	.58½	.60½
Bols, NY .....B	.09½	.10	USP, 5 gal. demis.....B	.06	.08	Car lots, .....gal		.58½
Kaps, 100B NY .....B	.10%	.11	Tannic, tech. 300B bbls.....B	.30	.40	50 gal. bbl. incl.....gal	.64½	.66½
Imp., 560B cans .....B		.09½	USP, powd 200B bbls.....B	.75	.80	Car lots, .....gal		.62½
Phenylchloride, domestic .....B	9.00	9.60	USP, fluffy, 50B bbls.....B	.75	.80	50 gal. drums, extra .....gal	.57½	.59½
Imported, 5 B's .....B	7.00	7.25	Tartaric, USP cryst 300B bbls.B		.29	Car lots, .....gal		.55½
Phosphoric, 50% tech, 150B			USP, powd, 300B bbls. B		.27	50 gal. bbls. incl.....gal	.63½	.65½
chys. ....B	.07	.08	Imp. USP, 240B bbls.....B	.27	.27½	Car lots, .....gal		.61½
USP, Syrupy 85°, 70B.			Pow., 240B bbls.....B	.27	.27½	50 gal. drums, extra .....gal	.56½	.58½
demis .....B	.15	.17	Tobias, 250B bbls.....B	.90	.95	Car lots, .....gal		.54½
Imported .....B			Tungstic, 100B kgs.....B		1.00	50 gal. bbls. incl.....gal	.62½	.64½
Second Hand .....B	.15	.16	Valeric, C.P., 10B bot.....B	2.50	2.75	Car lots, .....gal		.60½
Phthalic, see Phthalic Anhydride			Acortine Alk. cryst. 1 oz. vis. oz		30.00	50 gal. drums, extra .....gal	.57½	.59½
Picramic, 300B bbls.....B		.65	Amorphous, 1 oz. vis.....B		20.00	Car lots, .....gal		.55½
Picric, 450B bbls.....B		.30	Adeps Lanac, hydrous 350B bbls. B	.15	.21	50 gal. bbls. incl.....gal	.64½	.66½
Bbls. car lots wks.....B	.20	.25	Anhydrous, 350B bbls.....B	.18	.23	Car lots, .....gal		.62½
Pyrogallic, crys. 5B cans.....B	1.25	1.30	Albumen, Egg, edible .....B		1.35	50 gal. drums, extra .....gal	.55½	.57½
Resublimed, 5B cans.....B	1.55	1.65	Blood .....B	.45	.50	Car lots, .....gal		.53½
Tech. powd., 200B bbls.....B		.35	Vegetable .....B	.60	.70	<p>In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.</p>		
Salicylic, tech., 125B bbls.....B	.33	.34	Technical, see Dyers Sundries			Aloin, USP, 100B cans.....B	.88	.90
USP, 100B bbls.....B		.35	ALCOHOL, USP 190 pf. 50 gal.	4.92	5.01	Alpha-Naphthol crude 300B bbls.B		.65
Second Hand .....B	.32	.33	bbls. ....gal			Refined .....B		.80
Sulfanilic, 250B bbls.....B	.16	.20	Second Hand, bbls, USP 190			Alpha-Naphthylamine, 350B bbls.B	.35	.37
SULFURIC, 66° 180B chys.			pf. ....gal			Ton lots, bbls. wks.....B		.35
1c/l wks.....100B	1.50	1.85	Export, USP, 190 pf. ....gal	.60	.85			
Chys., c/l wks.....100B		1.35	Cologne Spirit, 50 gal. bbls.gal	5.00	5.10			
1500B Drums, 1c/l			WOOD, see Methanol					
wks.....100B		1.25	Alcohols also in 50 gal.					
Drums, c/l wks.....100B		1.10	drums extra and returnable.					
Tank cars, wks.....net ton		14.00	Butyl, 50 gal. drums, wks.....B		.28			
60° 1500B Drums			Tank cars, wks.....B		.26			
1c/l wks.....100B	.75	1.00	Isobutyl, crude 50 gal. drums.gal					
Drums, c/l wks.....100B	.65	.75	Refined, 10 B canB	1.10	1.20			
Tank cars, wks.....net ton	9.00	9.50						
C. P. 175B chys.....100B	.08	.09						

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Chemicals

ALUM, Ammonia, lump 400 lb bbls.			AMMONIA, anhyd. 100 lb cyl....			AMMONIUM—(Continued)		
Wks.	100 lb	3.15 : 3.75	Water, 26° 800 lb dra. wks....	...	.80	Persulfate, 112 lb cases....	...	.40
Imp., 500 lb cases....	100 lb	...	Dra. c/l wks....	...	.06%	Phosphate, dibasic 200 lb bbls..	...	.38
Ground, 400 lb bbls. wks.100 lb	...	3.30 : 4.00	C.P., chys. ....	...	.06%	Tech., powd. 325 lb bbls....	...	.18
Powd. 380 lb bbls. wks. 100 lb	...	3.45 : 4.35	Imp., 800 lb dra. incl. spot. lb	...	.06%	Phosphate, mono, 325 lb bbls..	...	.12%
Chrome 500 lb cks. wks.100 lb	...	5.50 : 6.00	26° 100 lb chys. le/l wks..	...	.07%	Salicylate, USP 100 lb kegs....	...	.75 : .80
Potash, lump 400 lb bbls.	...	...	Chys. e/l wks. ....	...	.07%	Sulfate, bulk, c/l wks....100 lb	...	2.75 : 2.80
Wks.	100 lb	3.60 : 3.80	20° 800 lb dra. le/l wks..	...	.05%	200 lb single bgs. c/l wks.100 lb	...	2.90
Els. c/l wks....	100 lb	...	Chys. le/l wks. ....	...	.06%	200 lb double bgs., f.a.s.100 lb	...	3.00
Imp. 650 lb cases a.p....	100 lb	2.75 : 3.00	18° 800 lb dra. le/l wks..	...	.04%	Sulfoeyanide, tech., 100 lb kgs..	...	.50 : .60
Ground 400 lb bbls. wks.100 lb	...	3.25 : 3.75	Chys., le/l wks. ....	...	.05%	CP, 25 lb jars .....	...	.60 : .70
Imp. 650 lb cases....	100 lb	2.50 : 2.75	16° 800 lb dra. le/l wks..	...	.04%	Amyl Acetate, tech. 50 gal. dra.gal	...	3.25 : 3.50
Powd., 380 lb bbls. wks.100 lb	...	3.50 : 4.35	Chys., le/l wks. ....	...	.05%	Refined, 50 gal. drums....gal	...	3.90 : 4.20
Chrome, 500 lb cks wks.100 lb	...	5.50 : 6.00	...	...	...	Alcohol, see Fuel oil	...	...
Soda grd. 400 lb bbls. wks.100 lb	...	4.00	Ammonium Acetate, 100 lb kegs..	...	.37	ANILINE OIL, 900 lb dra....	...	.16 : .17
Bbls. c/l wks....	100 lb	...	Berzoate, USP, 1 lb bot....	...	.90	Aniline Salt, 200 lb bbls.....	...	.20 : .22
Aluminum, metal, c/l NY....	100 lb	27.00 : 28.00	Bifluoride, 300 lb bbls.....	...	.23	Anthracene, 80-85%, 800 lb cases	...	...
Chloride, anhyd. 275 lb dra....	...	.20 : .22	100 lb kegs .....	...	.23	Wks. ....	...	.80 : .85
Crystals, 375 lb bbls....	...	...	Bromide, 50 lb boxes .....	...	.54	28-30%, Imp. ....	...	.02 : .02%
30% sol. 120 lb chys....	...	.03% : .04	Imported, 112 lb boxes....	...	.49	Anthraquinone, subl. 125 lb bbls..	...	1.00 : 1.15
Hydrate 96% light 90 lb bbls..	...	.17 : .18	Carb. tech. 560 lb cases....	...	.08%	Antimony metal, slabs ton lots.100 lb	...	.14 : .14%
Heavy 62-64%, 220 lb bgs..	...	.06 : .06%	Powd. tech. 385 lb bbls..	...	.09	Needle Powd., 100 lb cases....	...	.09%
400 lb bbls. wks....	...	.06% : .07	USP, lump, 100 lb kegs....	...	.12%	ANTIMONY CHLORIDE, anhyd 1000 lb	...	...
SULFATE, Iron-free bags c/l	...	...	Powd., 100 lb kegs ....	...	.11%	Dra. ....	...	.35
Wks.	100 lb	...	Chloride, Domestic	...	...	50 lb corks .....	...	.45 : .48
Bbls. c/l wks....	100 lb	2.00	White, 250 lb bbls., c/l....	...	.07%	Sol'n, 130 lb carboys 33°....	...	.06
Imported, spot	100 lb	2.00	250 lb bbls., le/l wks....	...	.07%	Oxide, 500 lb bbls.....	...	.11
Comm'l. ½% iron bgs c/l	...	...	Imp. wh. 250 lb cases spot. lb	...	.06	Salt, dom. 500 lb bbls.....	...	.35
Wks. ....East 100 lb	...	1.40	Gray 250 lb bbls. wks....	...	.08	Imp., NY .....	...	.19
Cont. bgs. c/l wks. E.100 lb	...	1.35 : 1.40	Bbls., c/l wks....	...	.07%	Sulfuret, golden 500 lb bbls....	...	.19
Bags, c/l wks. W....100 lb	...	1.40	Imp. gray 250 lb cases....	...	.07%	336 lb kegs .....	...	.38
Bbls., c/l wks. East....100 lb	...	1.55	Lump, 500 lb cases spot....	...	.11%	Crimson, 500 lb bbls.....	...	.36
Bulk, c/l cont. wks. E.100 lb	...	1.50	Ichthyolate, as to brand....	4.85	5.00	336 lb kegs .....	...	.45
Ambiol, (see Diaminophenol)	...	...	Iodide, USP, 25 lb jars....	...	5.20	Tartrolactate, 500 lb bbls....	...	.45
Amidopyrine, Imp. 10 lb boxes..	...	4.70 : 4.90	Lactate, 500 lb bbls.....	...	.15	Antipyrine, USP, 100 lb cases....	1.90	2.00
Domestic, 10 lb boxes .....	...	4.60 : 4.65	Nitrate, tech. crys. 225 lb bbls..	...	...	Apomorphine Hydrochloride, ½ oz. vial. oz	...	22.75
Ammonioazobenzene, 110 lb kgs....	...	1.15	Refined Crystals, bbls.....	.21	.23	Arecoline Hybromide, 1 oz. vial..oz	6.25	7.82
			CP gran. 100 lb kegs....	.35	.37	Argols, red powd. 350 lb bbls..	.06	.07
			Oxalate, pure, 100 lb kegs....	.40	.42			

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Chemicals

ATOMIC, METAL, 220 lb kegs.....lb	..	.45	Benzidine Base, dry 250 lb bbls. lb	.78	.80	BISMUTH—(Continued)		
Red, 224 lb kegs cases.....lb	.15	.15%	Benzidine Sulfate, paste 350 lb			Subiodide, 5 lb lots.....lb	..	4.15
White, 220 lb cases to 550 lb			bbls. ....lb	.70	.72	Subnitrate, USP, 25 lb jars.....lb	..	2.35
bbls., NY.....lb	.06%	.06%	Benzol, see Benzene			Second Hands.....lb	..	2.35
Asbestine.....ton	16.00	18.00	Benzonaphthol, 5 lb boxes.....lb	3.50	3.60	Cones, 1 lb bot.....lb	..	3.35
Aspirin, see Acid acetylsalicylic			Benzoyl Chloride, 500 lb dra.....lb	..	1.00	Subsulfate, USP, 175 bbls.....lb	..	2.60
Atropine, Alk. USP, 1 oz. vial.....oz	5.00	5.57	Benzyl Acetate, 100 lb chys.....lb	1.55	1.75	Tannate, 1 lb bot.....lb	..	2.20
Sulfate, 5 oz. cans.....oz	..	2.75	Alcohol, 5 lb bot.....lb	1.45	1.55	above on basis 25 lb lots.		
Single ounce.....oz	..	2.92	Benzoate, 5 lb bot.....lb	1.60	1.75	Smaller lots at an advance.		
BARIUM BINOXIDE, see Barium dioxide			Medicinal FFC.....lb	1.75	2.00	Blanc Fixe, dry 400 lb bbls. wks. ton	75.00	86.00
Carbonate, precip., 800 lb bbls.			Chloride, 95% tech. 925 lb dra. lb	..	.25	Imported, bbls.....ton	70.00	72.00
via.....ton	68.00	70.00	100 lb chys.....lb	.25	.30	Paste, 650 lb bbls.....ton	50.00	55.00
Precip., 200 lb bbs., wks.....ton	64.00	66.00	Redistil. 160 lb chys.....lb	.40	.45	BLEACHING POWDER, 700 lb dra.		
Imports, bbls., wks.....ton	52.00	54.00	Formate, 1 lb bot.....lb	3.00	3.25	c/l wks.....100 lb	..	2.00
Chloride, 800 lb bbls., wks.....ton	70.00	72.50	Berberine Hydrochloride, 1 lb bot.....lb	..	22.50	Drums 1c/l ex-warehouse.....100 lb	2.35	2.60
200 lb bbs., wks.....ton	70.00	72.50	Sulfate, acid or neut. 1 lb bot.....lb	..	22.00	Contract, c/l wks.....100 lb	1.90	2.15
Import, bbls., spot.....ton	61.00	63.00	BETA-NAPHTHOL, 350 lb bbls. wks. lb	.24	.25	Drums, 1c/l wks.....100 lb	2.15	2.40
Dioxide, 83% 690 lb dra.....lb	.17	.18	Carlots, wks.....lb	..	.23	Imported, spot.....100 lb	..	..
Import, 86-88% 400 lb dra.....lb	..	.15	Sublimed.....lb	.55	.60	Blue Ointment, see Mercury		
Hydrate, 500 lb bbls.....lb	..	.05	Beta-Naphthylamine, tech. 200 lb	.65	.67	Mam, see Mercury		
Iodide, 5 lb box.....lb	..	5.15	bbls.....lb	..	1.85	Bone Ash, 100 lb kegs.....lb	.06	.07
Nitrate, 700 lb casks.....lb	..	.10	Sublimed, 200 lb bbls.....lb	..	1.85	Black, 200 lb bbls.....lb	..	.06
Import casks.....lb	.07%	.08	Bichloride Mercury, see Mercury Bichloride			Borax, USP, crys. 400 lb bbls.....lb	.05	.05%
Sulfocyanide 400 lb bbls.....lb	..	.85	BISMUTH metal, 150 lb cases.....lb	..	1.61	Powdered, USP, 300 lb bbls.....lb	.05	.05%
Barrytes, floated 350 lb bbls wks. ton	23.00	26.00	bbls.....lb	..	1.85	Keeps USP, 100-150 lb.....lb	.05%	.05%
Imported.....ton	22.00	23.00	Bismuth metal, 150 lb cases.....lb	..	1.61	Bordeaux Mixture, 16% pd. bbls. lb	.11%	.18
Bay Rum, Porto Rican, genuine			Second Hands.....lb	..	1.61	Paste, bbls.....lb	.08	.10
Medicated salicyl. acid or tartar emetic			Ammon. Citrate, USP 5 lb bbs.....lb	..	5.30	Borzeol. 1 lb bot.....lb	..	3.50
45 gal. bbls.....gal	.95	1.05	Betanaphtholate, 5 lb bbs.....lb	..	2.85	Bromide, see potass. bromide, etc.		
Medicated quinine sulf. 45 gal.			Citrate, USP 5 lb bbs.....lb	..	2.55	Bromine, bot. in 50 lb cs. wks.....lb	..	.46
bbls.....gal	.95	1.05	Nitrate, 25 lb jars.....lb	..	1.65	Bromobenzene, 600 lb drums.....lb	.40	.42
Domestic synthetic, 50 gal.			Oxychloride, 25 lb bbs.....lb	..	3.05	Bromoforn, USP 5 lb bot 50 lb cs. lb	..	1.65
bbls.....gal	.85	.90	Phenolsulfonate, 5 lb cans.....lb	..	2.70	Brucine Sulfate, 100 cs.....cs	.15	.35
St. Thomas			Sallylate, 25 lb bbs.....lb	..	1.75	Butter of Antimony, see Antimony Chloride		
Medicated salicyl. acid or tartar			Subcarbonate, USP, 25 lb bbs.....lb	..	2.85	Butyl Acetate, 100 gal. drums.....gal	2.40	2.50
emetic 50 gal. bbls.....gal	1.05	1.10	X-Ray diag. 1 lb bot.....lb	..	3.20	CADMIUM, metal 100 lb bbs.....lb	.95	1.00
sensaldehyde, tech. 945 lb dra.			Subgallate, USP, 25 lb bbs.....lb	..	2.30	Bromide, 50 lb cases jars.....lb	..	1.20
wks.....lb	.70	.75				Iodide, 10 lb bot.....lb	..	4.45
USP. 40 lb chys.....lb	1.40	1.50				Sulfide, cs.....lb	1.50	1.60
FFC, 40 lb chys.....lb	1.50	1.65						
SENZENE, 90% 8000 gal. tanks								
wks.....gal	..	.23						
110 gal. dra., wks.....gal	..	.28						
Pure Tanks, wks.....lb	..	.25						
110 gal. dra. wks.....gal	..	.30						



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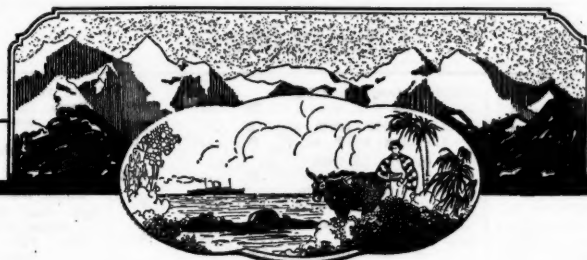
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CAFFEINE ALK, USP 5 lb cans. D	3.50	: 3.75	CAMPOR, Amer. ref: 250 lb	...	: .80	Chalk, drop 175 lb bbls. D	...	: .03 1/4
Second Hands	3.40	: 3.45	bbls. D	...	: .81 1/4	Precip. light 250 lb cks. D	...	: .04 1/4
Hydrochloride, 1 lb bot. D	6.05	: 6.55	2 1/2 lb slabs, 100 lb cs. D	...	: .81 1/4	Precip. heavy 560 lb cks. D	...	: .04
Sulfate, 1 lb bot. D	5.40	: 5.90	1 lb cakes, 100 lb cs. D	...	: .81 1/4	Bulk	5.00	: 5.00
Citrated, 25 lb cans. D	2.90	: 3.10	1 oz. tab., 1 lb ctms. D	...	: .85 1/4	Precip. English, 7 lb bags. D	...	: .07 1/4
Hydrobromide, 1 lb bot. D	4.65	: 4.90	100 lb cs. D	...	: .86	Charcoal, Bone, see bone black		
CALCIUM, Acetate, 150 lb bgs, c/l			1/2 oz. tab., 1 lb ctms. D	...	: .86 1/4	Wood, powd. 100 lb bbls. D	.04	: .05
100 lb D	...	: 3.00	100 lb cs. D	...	: .86 1/4	Willow, powd. 100 lb bbls. D	.08	: .07
Arsenate, 100 lb bbls. c/l wks. D	.08	: .09	Jap. ref., 2 1/2 lb slabs, 100 lb	...	: .86 1/4	China Clay, Dom., crude. D	6.00	: 2.00
Bromide, 100 lb cs. D	...	: .60	cs. D	...	: .86 1/4	Washed & Ground	8.00	: 15.00
Carbide, 220 lb dr. c/l wks. D	...	: .04 1/4	1 oz. tab., 100 lb cs. 1 lb	...	: .80	Imp., Filler Clay	12.00	: 15.00
Drums, 1 c/l wks. D	...	: .05	1/2 oz. tab., 100 lb cs. 1 lb	...	: .81	Coating	18.00	: 20.00
Carbonate, tech. 100 lb bags			Chinese ref. 2 1/2 lb slabs 100 lb	...	: .81	Chloral Hydrate, USP 100 lb drs. D	.75	: .80
c/l	1.00	: 1.10	cs. D	...	: .81	25 lb jars	.83	: .85
USP, precip. 175 lb bbls. D	...	: .04	Crude, 100 lb cs. D	...	: .81	Chinoidin, 140 lb drs. D	...	: .40
Chloride, solid, 650 lb drs. c/l			Campor, Monobrom., 100 lb cs. D	1.85	: 1.90	Chloramine-T, 5 lb bot. D	1.25	: 2.50
f.o.b. wks.	...	: 21.00	Caramel, 50 gal. bbls. D	...	: .70	Chloroacetic, 5 lb bot. D	.55	: .75
Imp. shipment	...	: 19.50	Carbonasol, 250 lb bbls. D	...	: .50	Chlorhydrin, Ethylene anhyd. 600 lb		
Flake 375 lb drs. c/l drs. f.o.b.			Carbon Bisulfide, 500 lb drs. 1 c/l NY	...	: .06 1/4	40% soln. 100 lb clys. D	.75	: .85
wks.	...	: 27.00	c/l drums, NY	...	: .06	Chlorine, Liquid 3000 lb cyl.	...	: .04 1/4
Anhyd., 350 lb drs. f.o.b. NY. D	.13	: .20	Carbon Black, 12 1/2 lb bags. D	...	: .10	Tank car lots, wks. Contract. D	...	: .04
Glycerophosphate, 250 lb bbls. D	...	: 1.40	Carbon Dioxide, Liquid, 20-25 cyl. D	...	: .08	100 lb cyl. c/l	.05 1/4	: .05 1/4
Hydrate (see Lime)			Carbon Tetrachloride, 1400 lb drs.	...	: .07	100 lb cyl. 1 c/l wks.	.07	: .08
Hypophosphite, USP, 25 lb cans. D	.60	: .65	NY	...	: .07 1/4	100 lb cyl. 1 c/l ex-warehouse. D	.08	: .09
Iodide, 5 lb bot. D	...	: 4.40	Drums, c/l NY	...	: .06 1/4	Chlorobenzene, mono. 100 lb drs.	.10	: .11
Lactate, tech. 500 lb bbls. D	...	: 13 1/4	700 lb drs. single NY	...	: .08	Dr. c/l wks.	.08	: .08 1/4
U.S.P.	.50	: .60	Carmine, No. 40, 5 lb boxes. D	4.75	: 4.85	Tank car lots wks.	...	: .08
Nitrate, 220 lb bbls, c/l NY. ton	...	: 40.00	Casein, edib., 100 lb bag. D	...	: .45	CHLOROFORM, USP 50 lb drs. D	...	: .35
Phosphate, tech. 350 lb bbls. D	.09	: .10	Technical, 200 lb bbls. D	...	: .10 1/4	Second Hands, 650 lb drs. D	.32	: .33
Phosphate, precip. tribasic 200 lb			Castoreum, 1 lb boxes. D	4.00	: 4.50	Technical, 650 lb drums. D	.81	: .83
bbls., wks.	.11	: .14	Castor Oil, USP, 50 gal. bbls. D	...	: .17 1/4	Chlorophyll, Oil Sol. D	2.50	: 2.75
Phosphate, mono, 325 lb bbls. D	.07	: .08	Cases, 80 lb 2 tins. D	...	: .18 1/4	Water Sol. D	3.75	: 4.00
Sulfocarbonate, 100 lb kegs. D	.55	: .57	Caustic Potash, see potash, caustic			Chromium Acetate, 20% soln. 400 lb		
Calomel, see Mercury			Soda, see soda, caustic			bbls. D	.07	: .08
			Cellulose Acetate, 100 lb cans. D	1.75	: 2.00	Fluoride, Powd. 400 lb bbls. D	...	: .30
			Certum Oxalate, USP 100 lb kegs. D	.35	: .38	Solp. 400 lb bbls. D	...	: .30
						Chrysarobin, USP, 5 lb cans. D	5.25	: 5.55
						Cinchonidic alk., powd. 100 oz. tins. D	...	: .60
						Crystal	...	: .65
						Sulfate, 100 oz. tins. D	...	: .40
						Resale, 1,000 oz. lots. D	...	: .39

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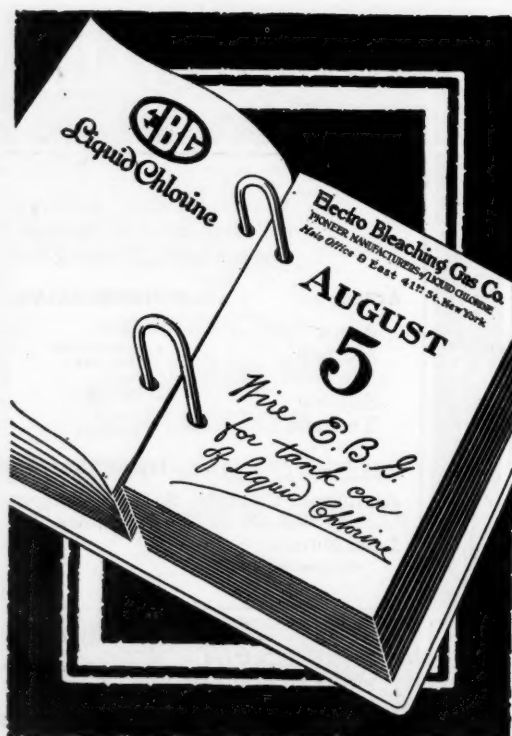
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Cinchonine alk., pvd. 100cs. tins.oz.	: .38	COPPER metal electrolyte c/l		Diethyl Sulfate tech. 50 gal. drs. D	.20	: .25
Crystal	: .43	NY	14.38	CP drums .....	.40	: .50
Sulfate, 100 cs. tins.	: .25	Lake c/l NY	14.75	Digitalin, Pure, 1 oz. vial. ....oz.	9.75	: 10.25
Citrine Ointment, see Mercury		Casting, c/l NY	14.13	Dimethylaniline, 840b drs. wks. D	.33	: .35
Coal Tar, See Tars		Carbonate, 400b bbls. D	.16	Dimethylamine, 400b drs. D	...	: 2.80
Cobalt metal, 100b kegs. D	2.50	Chloride, 250b bbls. D	...	Dimethylsulfate, 100b drs. D	...	: .50
Cobalt Oxide, 500b bbls. D	: 2.10	Cyanide, 100b drs. D	.49	Dinitrobenzene, 400b bbls. D	.16	: .17
10 D tins, 200b cans. D	: 2.45	Iodide, 5b bot. D	...	Dinitrochlorobenzene, 400b bbls. D	.18	: .19
COCAINE alk., USP, 1 oz. vial. oz	: 10.00	Oxide, red 1000b bbls. ton lots D	.16 1/2	Dinitronaphthalene, 350b bbls. D	.32	: .34
Hydrochloride, USP—1 oz. vials,		Sub-Acetate, verd. 440b bbls. D	.23	Dinitrophenol, 350b bbls. D	.32	: .35
25 ozs. ....oz	: 7.07	SULFATE, crys. 450b bbls. l/c/l	4.75	Dinitrotoluene, 300b bbls. D	.19	: .20
In 1/2 oz. vials. ....oz	: 7.50	spot	4.75	Dionin, see Morphine, Ethyl		
In crystals, granular, powder,		Carlota, bbls., f.o.b. NY 100b D	4.60	Diphenylamine, 250b bbls. D	.48	: .50
or flaky crystals as desired.		Carlota, bbls. delivered, 100b D	4.75	Diphenylguanidine, 170b bbls. D	1.10	: 1.15
Cocoa Butter, bulk, 200b bales. D	.30	Imp. 550b csks spot. 100b	...	Dover's Powder, USP 5b tins. D	2.20	: 2.30
Fingers, cakes, etc. 12b bxs. D	.34	Powdered, 350b 5 bbls. D	...	Duboisine Sulfate, 1 oz. vial. ....oz	...	: 30.97
CODEINE, alk., 1 oz. vis. 10 oz.		Copperas, bulk c/l wks. ton	...	EARTH, Diatomaceous, see Kieselguhr		
lots	: 9.87	200b bgs., c/l wks. ton	...	Kmetine alk., 15 gr. vls. ....oz	...	: 1.30
Hydrobromide, 1 oz. vis. 10 oz.		400b bbls., c/l wks. ton	...	Hydchlide, USP 1 oz. vial. ....oz	17.00	: 17.50
lots	: 7.92	Powdered, bbls. 100b	1.90	15 gr. vials. ....oz	...	: 7.5
Hydrochloride, 1 oz. vis. 10 oz.		Sugar, 400b bbls. 100b	1.25	EP50M SALT, tech. 300b bbls.		
lots	: 5.77	Corn Syrup, 42 deg. 50 gal.	...	NY .....	...	: 2.15
Nitrate, 1 oz. vis. 10 oz. lots.oz	: 8.77	43 deg. 50 gal. bbls. 100b	4.26	Bbls. c/l NY. 100b	...	: 2.00
Phosphate, 1 oz. vis. 10 oz.		44 deg. 50 gal. bbls. 100b	4.31	100b bgs., c/l NY. 100b	1.70	: 1.75
lots	: 7.42	45 deg. 50 gal. bbls. 100b	4.38	Imp., 220b bgs. c/l	...	: 1.35
Salicylate, 1 oz. vis. 10 oz.		Corn Sugar, see Glucose	.40	NY .....	...	: 2.50
lots	: 7.42	Cotton Soluble, 100b bbls. wet. D	.42	USP, 300b bbls, 10 bbls. 100b	...	: 2.15
Sulfate, 1 oz. vis. 10 oz. lots.oz	: 7.92	Coumarin, 25b tins. D	3.25	Carlota, bbls. 100b	2.10	: 2.15
Small Sizes, 1/2 oz. vials, 50c extra,		Seconds Hands	3.25	Imported, 400b bbls. 100b	1.75	: 2.06
1/4 oz. 30c extra, singles 7c extra		CREAM TARTAR, USP, 300b D	...	100b kegs	2.00	: 2.25
per oz.—25 oz. lots, 10c oz. cheaper		bbls. ....	.21 1/2	Ergotin, Bonjean, 1b jars. D	6.00	: 6.35
than above. Less than 10 ozs. 15c oz.		Imp. powd. USP, 224 bbls. D	.19	Eserine alk., 1 oz. vial. ....oz	...	: 24.07
higher than above.		Creosote, USP, 42b chys. D	...	Salicylate, USP 1 oz. vial. ....oz	...	: 16.07
CODLIVER OIL, Norwegian, 30 gal.		Carbonate, 1b bot. 25b D	1.70	Sulfate, USP VIII, 1 oz. vial. oz	...	: 11.07
bbls.	29.00	Creosote Oil, 50 gal. drs. gal	.26	ETHER, USP, 55b drums. D	...	: .16
Newfoundland, 30 gal. bbls. bbl	...	Cresol, USP, 400b drums. D	.22	Anaesthesia, 55b drums D	...	: .19
Colchicine alk USP 1 oz. vial. oz	: 15.07	Cynamide, bulk c/l wks. Amm. uclt	1.90	USP, 1880 55b drums D	...	: .42
Salicylate, 1 oz. vial. ....oz	: 15.07	Cymene, See Para-Cymene	...	Washed, 55b drums D	...	: .33
Colloidin, USP, 30b drums. D	: .24	DIANIOPHENOL, 160b kegs. D	...	Motor, 1b cans. D	.25	: .31
		Dianisidine, 100b bgs. D	4.00	Ether, Nitrous, 1b bot. D	.92	: .95
		Dichlorobenzene, 1000b drs. D	.06			
		Diethylamine, 400b drs. D	...			
		Diethylaniline, 850b drs. D	.58			
		Diethyl Phthalate, 25b cans. D	.40			
		1000 drs. D	.35			



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Ethyl Acetate, 99% 50 gal. drs. gal. 1.15 : 1.18	Gelatin, USP silver lbl. 100 lb. ca. lb. .65 : .68	Hydrastinine Hydrochloride, USP 15 g. vial . . . : 1.00
85% Ester, 100 gal. drs. gal. . . . : .95	Gold Label, 100 lb. cases. . . . : .55	Hydrobenzene 100 lb. kgs. . . . : . . .
Carlots, drums : .92	Technical, 100 lb. ca. . . . : .50	HYDROGEN PEROXIDE, 25 vol. 400 lb. bbls. . . . : .10
Tanks Cars : .90	GLAUBER'S SALT, tech. 200 lb. bags, 1c/l wks. . . . : 1.15 : 1.25	100 vol. 140 lb. chys. . . . : .32 : .34
Refined, drums : 1.77 : 1.90	350 lb. bbls. c/l wks. . . . : 1.25	USP Soln. 375 lb. bbls. . . . : .05 : .05 1/2
Bromide, 115 lb. drs. . . . : .40	Bbls. 1c/l wks. . . . : 1.30 : 1.45	100 vol. 145 lb. chys. . . . : .48
Chloride, 200 lb. drs., 15 lb. cyl. lb. . . . : .35	Imported, bbls., spot : .80 : .85	USP bot. 4 oz. cases. . . . : 5.00 : 5.25
Methyl Ketone, 50 gal. drums. lb. . . . : .35 : .35 1/2	USP, 300 lb. bbls. imp. sp. 100 lb. . . . : 1.75	Bot. 8 oz. cases. . . . : 11.75 : 12.00
Morphine, see Morphine, Ethyl	USP, 300 lb. bbls. c/l wks. 100 lb. . . . : 1.40	Bot. 16 oz. cases. . . . : 19.75 : 20.00
Ethyl Benzyl Aniline, 300 lb. drs. lb. 1.10 : 1.15	Calcined, see Sodium Sulfate	Hydroquinone, 100 lb. kgs. . . . : 1.40 : 1.50
Ethylene Bromide, 600 lb. drs. . . . : .70	Glucose, (Grape Sugar) dry, 100 70° bags, c/l NY. . . . : 4.29 : 4.54	Hyrocine Hydrobrom. USP 1 oz. vial . . . : 9.57
Glycol : .65 : .70	Syrup, Drs. & bbls. c/l NY 100 lb. . . . : 4.26 : 4.45	Five ozs. 1 oz. vials. . . . : 9.00
Chlorhydric, anhyd. 50 gal. drs. lb. . . . : .75 : .85	1c/l NY : 4.36 : 4.55	Hyocyanine Alk. Cryst., 1 oz. vial. . . . : 20.07
40% Solution, 50 gal. bbls. lb. . . . : .25 : .30	GLUE, pure white, bbls. . . . : .23 : .26	Alkaloid, Amorphous, 1 oz. vial. . . . : 75.07
Dichloride, 50 gal. drs. . . . : .20 : .25	Medium white, bbls. . . . : .20 : .24	Hydrobromide, USP 1 oz. vial. . . . : 25.07
Ethylideneaniline : .70	French, bbls. . . . : .18 : .25	Sulfate, 1 oz. vial. . . . : 30.07
Eucalyptol, 25 lb. cans : .90	High Grade, bbls. . . . : .35 : .40	INDOL, C. P., 1 oz. bot. . . . : 6.00 : 6.50
Feldspar, bulk : 20.00 : 25.00	Bone, regular, bbls. . . . : .10 : .12	Iodine, see Potass. Iodide, etc.
FERRIC CHLORIDE, tech. crys.	Fish, bbls. . . . : 1.50 : 1.75	100 lb. crude, 200 lb. kgs. . . . : 4.10
475 lb. bbls. . . . : .07	GLYCERIN, C.P., 550 lb. drums. lb. . . . : .19 : .19 1/2	Rebimble, 10 lb. jars : 4.65 : 4.70
Imported : .07 1/2	Cans, 50 lb. . . . : .20 : .22	Tincture, USP, 50 gal. bbls. gal. 4.30 : 4.40
USP, crys. 100 lb. kgs. . . . : .08	Dynamite, 100 lb. drs. . . . : .18 : .18 1/2	Carboys : 4.40 : 4.50
Imported : .07 1/2	Saponification, tanks : .13 1/2 : .13 3/4	Second Hands, : 4.25 : 4.30
Neut. Sol'n 40° 140 lb. chys. lb. . . . : .06	Soap, Lye tanks : .12 1/2 : .12 3/4	Iodoform, powd. 10 lb. bot. . . . : 5.50
48° 140 chys. . . . : .08	Goa Powder, see chrysarobin	Crystals, 10 lb. bot. . . . : 6.50
USP Sol'n 125 lb. chys. . . . : .05 1/2	Graphite, crude 220 lb. bags. . . . : 15.00 : 35.00	Iridium, metal 10 oz. lots. . . . : 200.00
Ferrous Chloride, crys. tech.	Flake, 500 lb. bbls. . . . : .05 : .09	Iron, metal by hydrogen 1 lb. bot. lb. . . . : .80 : 1.00
475 lb. bbls. . . . : .06 : .06 1/2	Ground, lump, bbls. . . . : .04 : .05	IRON & AMM. CITRATE, USP 50 lb. cans . . . : .69
Ferrous Sulfate, 1000 lb. bbls. 100 lb. 2.50 : 3.00	Guaiacol liquid, USP, 25 lb. cans. lb. 2.35 : 2.45	Green scales. 50 lbs. . . . : .69
Flake White, see lead, white	Benzonate, 1 lb. bot. . . . : .18.00	Cacodylate, 10 lb. bot. . . . : 6.50 : 6.75
Fluocspar, 95% 220 lb. bgs. ex-dock : 25.00	Carbonate, 5 lb. boxes : 4.00 : 4.75	Citrate, USP VIII 25 lb. cans. lb. . . . : .99 : 1.01
96% bgs. . . . : 33.50	Second Hands : 3.35 : 3.40	Chloride, see ferric or ferrous
98% bgs. . . . : 35.00	HAARLEM OIL, Dom. 6 gr. oz. gross Imported, 5 gr. cases. . . . : 3.75 : 4.00	Hypophosphite, 5 lb. cans. . . . : 1.50 : 1.60
FORMALDEHYDE, USP 400 lb. bbls. c/l wks. . . . : .09 1/4 : .09 3/4	Halasone, 5 lb. bot. . . . : 2.75 : 3.25	Syrup, USP VIII. . . . : .30
Carboys, 100 lb. 1c/l wks. . . . : .10 1/2	Hexamethylenetetramine, USP 100 lb. drums : .75 : .77 1/2	Iodide, 1 lb. bot. . . . : 4.25
Bbls., 400 lb. 1c/l wks. . . . : .10 : .10 1/2	Imported : .64 : .68	Syrup, USP, 5 lb. bot. . . . : .35 : .36
Second Hands : .09 : .10	Rubber Makers, Impalp. Pd. drs. . . . : .82 1/2 : .85	Nitrate, kgs. . . . : .09 : .10
Fossil Flour : .04	Homatropine Hydrobrom. USP 1 oz. vial . . . : 14.57	Com'l, bbls. . . . : 2.75 : 3.25
Formaldehyde : .50	Five ozs., 1 oz. vials. . . . : 13.50	Oxalate scales 25 lb. cans. . . . : .85 : .88
Fuller's Earth, 200 lb. bgs. c/l mines : 15.00 : 17.00	Hydrastine Alk., USP, 1 oz. vial. . . : 14.00 : 14.57	Oxide red, Spanish : .03 1/2 : .07 1/2
Imported, 220 lb. bags NY. . . . : 35.00 : 40.00	Hydrochloride, USP, 1 oz. vial. . . : 14.57	& Ammon. Oxalate 25 lb. bbs. lb. . . . : .42 : .45
Furfural, 300 lb. bbls. . . . : .22 : .25	Sulfate, 1 oz. vial. . . . : 16.07	& Potassium Oxalate, 25 lb. bbs. lb. . . . : .45 : .47
Fusel Oil, 10% Impurities, drs. gal. 2.80 : 3.00		& Sodium Oxalate, 25 lb. bbs. lb. . . . : .41 : .43
G. SALT, paste 350 lb. bbls. basis 100% : .60 : .65		Phosphate, USP 50 lb. . . . : .69
		Pyrophosphate, USP, 50 lb. . . . : .74

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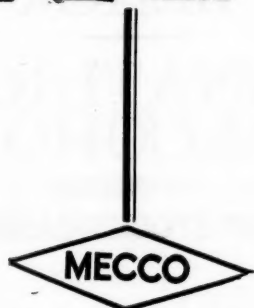
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JALAP RESIN, lump 5 lb tins..D	3.25	3.35	Linalool, 5 lb bot.....D	6.25	6.75	Manganese—(continued)		
Powd. tins.....D	3.40	3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins....D	...	2.95
Kapoc, 200 lb double bales....D	.24	.25	Lithium Carb. USP, 100 lb kgs..D	1.50	1.60	Hypophos. USP VIII 5 lb cans..D	...	1.40
KIESELGUHR, 95 lb bags NY....ton	80.00	70.00	Bromide, 100 lb ca.....D	1.80	1.90	Iodide, 1 lb bot.....D	...	6.65
LANOLIN, see Adeps Lanae			Citrate, USP, 100 lb kgs....D	1.70	1.75	Ore, bulk, NY.....D	.40	.45
LEAD, metal c/NY.....100 lb	9.35	9.90	Iodide, 5 lb bot.....D	...	7.50	Sulfate, 600 lb casks NY....D	...	.08
Acetate, white crystals 500 lb			Lithopone, 400 lb bbls, lc/l wks..D	...	.06%	Marble Flour, bulk.....ton	10.00	12.00
bbls. wks.....D	...	.15%	Bbls. c/l wks.....D	...	.06%	See also Calcium Carbonate		
100 to 250 lb kgs. wks..D	...	.16	Bags, c/l wks.....D	...	.06%	MENTHOL, USP, 60 lb cases....D	...	13.00
White, broken, bbls. wks.100 lb	...	14.75	Imported, 400 lb bbls.....D	...	.05%	Less cases, 5 lb tins.....D	...	13.50
White, gran., bbls., wks.100 lb	...	15.00	Litmus Cubes.....D	.90	1.00	Domestic, USP, 60 lb cases....D	...	...
White, powd., bbls. wks.100 lb	...	16.25	Luminal, see Phenylethylmalonylurea			MERCURY, metal, 75 lb flasks..flask	75.00	77.00
Keps, wks.....D	...	.16%	MAGNESITE, crude.....ton	...	15.00	Less Flasks, 5 lb jugs....D	...	1.20
Brown, broken, bbls. wks....D	...	.14%	Calcined, 500 lb bbls.....ton	...	55.00	Richloride, cryst. 25 lb bxs....D	...	1.13
USP, 100 lb kegs.....D	...	.15%	Magnesium mtl., sticks 100 lb ca..D	1.25	1.30	Gran. powd., 200 lb kegs..D	...	.95
Arsenate, 100 lb bbls. lc/l wks..D	.21	.26	Carb. tech. 70 lb bags NY....D	.08	.08%	Bisulfate, 25 lb boxes.....D	...	.96
Bbls. c/l wks.....D	.17	.19	75 lb bbls. NY.....D	.09%	.10%	Blue Mass, 25 lb boxes....D	...	.66
Paste, 100 & 600 lb bbls..D	.10	.15	USP, 60 lb bbls.....D	.12	.14	Powdered, 25 lb boxes....D	...	.68
Iodide, USP VIII 5 lb bot....D	3.20	3.40	USP, blocks 100 lb ca. 1, 2, 4	...	.19	Blue Ointment, USP 25 lb cans	...	.86
Nitrate, 500 lb bbls. wks....D	...	.12	ozs.....D	...	.23	50%.....D	...	.66
Oxide, litharge, 500 lb bbls..D	...	.11%	Chloride, fused 575 lb dra. c/l	...	.34.00	USP, dilute 25 lb cans 30%..D	...	.74
100 lb kegs. wks.....D	...	.16%	wks.....D	...	.36.00	83 1/2% Mercury.....D	...	1.23
Oxide, red 500 lb bbls. wks..D	...	.12%	Flaked, 350 lb dra. wks c/l ton	...	.26.00	Calomel, 50 lb bxs.....D	...	.51
100 lb kegs. wks.....D	...	.16%	Imp., fused 900 lb bbls NY ton	26.00	28.00	Citrine Ointment 25 lb jars..D	...	4.10
Peroxide, 100 lb dra.....D	.25	.30	Fluodilicate, crystals 400 lb bbls	...	.12	Iodide, green 25 lb jars....D	...	4.20
White, basic carb. 500 lb bbls.	...	.10%	wks.....D	...	.07	Red, USP 25 lb jars.....D	...	4.10
Bbls. c/l wks.....D	...	.10%	30% soln. 500 lb bbls. wks..D	...	.07%	Yellow, USP VIII 25 lb jars..D	...	1.68
100 lb kegs. wks.....D	...	.15	Soln. bbls. c/l wks....D	...	.06	Oxide, Yellow, USP, 25 lb. bxs D	...	1.38
White, sulfate 500 lb bbls. wks.	...	.10	Glycerophosphate, 5 lb tins....D	...	3.25	Red Precip. USP, 25 lb bxs....D	...	1.48
Bbls., c/l wks.....D	...	.10	Hypophosphite, 5 lb cans....D	...	1.05	Powder, USP 25 lb bxs....D	...	1.34
Licorice Ext. Mass, cases.....D	.25	.26	Oxide, USP light 100 lb bbls..D	...	.42	White Precip. USP 25 lb bxs..D	...	1.39
Compound powder, bbls.....D	.11	.13	USP, heavy 250 lb bbls....D	...	.50	Powdered, USP, 25 lb bxs....D	...	.66
Powdered.....D	.38	.40	Peroxide, 5 lb cans.....D	...	2.40	With chalk, USP 25 lb bxs....D	...	.80
Sticks, 1 ca. 100 lb cases....D	.45	.50	Perborate, 1 lb tins.....D	...	2.62	Meta-Nitraniline.....D	.70	.80
LIME, (Salts, see Calcium Salts)			Salicylate, 100 lb kegs.....D	.75	.80	Meta-Nitro-para-Toluidine, 300 lb	2.05	2.10
Live, 325 lb bbls. ton lots, wks..D	...	.01%	Sulfate, see Epsom Salts			bbls.....D	...	.95
Single bbl. wks.....D	...	.01%	Manganese Chloride, 600 lb csk.	...	.09%	Meta-Phenylenediamine, 300 lb	.90	.95
Hydrated, 167 lb bbl., ton lots,	...	.01%	NY.....D	...	.24	bbls.....D	...	.85
wks.....D	...	.01%	Borate, 30%, 200 lb bbls....D	...	.25	Meta-Toluylenediamine, 300 lb	...	.88
Single bbl. wks.....D	...	.01%	100 lb kegs.....D	...	.85.00	bbls.....D	...	.20
Oyster Shell, 150 lb bbl.sing.D	...	.08%	Dioxide, 80-84% 900 lb bbls.	...	85.00			
Sulfur, dry 200 lb dra. NY..D	...	.08%	NY.....ton	80.00	85.00			
Dra. c/l NY.....D	...	.08	85-90%, 900 lb bbls. NY ton	85.00	90.00			
33° Soln. 50 gal bbls. NYgal	.15	.16	Hydrated, precip. 100 lb kgs..D	.15	.20			

ACETATES

AMYL BUTYL ETHYL



The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York

Chemicals

METHANOL (Wood Alcohol)			Musk Ambrette, 1 lb cans lb 11.75 : 12.25			Ortho-Toluidine, 350 lb bbls.... lb .17 : .18		
95% tanks	gal	.67	NAPHTHA , See Solvent Naphtha			Oxgall, USP, 5 lb bot..... lb 2.00 : 3.00		
Drums, c/l	gal	.70	NAPHTHALENE , Flake, 175 lb bbls.			Purified, 5 lb bot..... lb 1.50 : 2.50		
Drums, 1c/l	gal	.72	wks. lb			Crude, 5 lb bot..... lb .80 : 1.25		
97% tanks	gal	.69	Bbls., c/l wks..... lb			PALLADIUM , metal 10 oz. lots... oz 75.00 : 76.00		
Drums, c/l	gal	.72	Bbls., second hands NY..... lb			Pancreatin, USP 5 lb bot..... lb 1.25 : 1.40		
Drums, 1c/l	gal	.74	Balls, 250 lb bbls. wks..... lb			Papain, 10 lb bot. USP, Powd.... lb 2.15 : 2.25		
Pure, Acetone free, tks..... gal		.75	Bbls., c/l wks..... lb			Crude, 150 lb cases..... lb 1.80 : 1.85		
Drums, c/l	gal	.77	Bbls., second hands NY..... lb			Paraffin, ref'd 200 lb ca. slabs		
Drums, 1c/l	gal	.80	Crushed, chipped, bgs., wks..... lb			123-127 Deg. M. P..... lb .05% : .06		
Bbls. incl. 5c higher			Crude, imp., bags			128-132 Deg. M. P..... lb .05% : .06%		
			Nickel Metal, electrolytic 100 lb			133-137 Deg. M. P..... lb .06% : .07		
Methyl Acetone, 100 gal. drums gal	.75	.80	kegs			138-140 Deg. M. P..... lb .07% : .07%		
Tanks, cars	gal	.70	Ingot, 100 lb kegs..... lb .29 : .32			Para-Aminocetanilid , 100 lb		
Chloride, 90 lb cyl..... lb		.50	Salt, single 400 lb bbls., NY. lb .09 : .10			kegs		
Sulphate, USP, 55 lb cases.... lb		.47	Double, 400 lb bbls. NY..... lb .10 : .11			Para-Aminophenol , 100 lb kegs.... lb 1.16 : 1.25		
550 lb drums	lb	.45	Oxide, 100 lb kegs NY..... lb .40 : .42			Hydrochloride, 100 lb keg.... lb 1.35 : 1.40		
Second Hands, cases	lb	.44	Sulfate, 450 lb bbls. lb .09 : .10			Para-Dichlorobenzene , 150 lb bbls.		
Methylene Blue, tech. 100 lb kgs. lb	1.25	1.50	Nicotine, Free 40%, 8 lb tins. lb 1.35 : 1.90			wks..... lb .17 : .20		
USP, medicinal 5 lb cans..... lb	2.00	2.30	Sulfate, 10 lb tins, 40%..... lb 1.05 : 1.35			25-50 lb kegs		
Mihler's Ketone, 225 lb bbls.... lb		3.75	Nitro Cake, bulk wks..... ton 5.50 : 6.00			Paraldehyde, 100 gal. drs..... lb .48		
500 lb bbls..... lb	.14	.15	500 lb bbls..... ton 13.00 : 14.00			Para-Cymene , Refd., 110 gal drs. gal 2.25 : 2.50		
Milk Sugar, see sugar of milk			Nitrobenzene, crude, 1000 lb drs.			Paraformaldehyde, USP 100 lb ca. lb .42% : .45		
Mineral Oil, see oil mineral			wks..... lb .09 : .09%			Para-Nitroacetanilid , 300 lb		
Mineral Rubber	ton	35.00 : 75.00	Redistilled, 1000 lb drs. wks. lb .09% : .10%			bbls..... lb .50 : .55		
Monocetine, 100 gal. drums.... lb		.50	Nitronaphthalene, 550 lb bbls.... lb .20 : .21			PARA-NITROANILINE , 300 lb bbls.		
Monochlorobenzene, see chlorobenzene			Nitrotoluene, mixed 1000 lb drs.			wks. ton		
Monomethylaniline, 900 lb drs.... lb	.90	1.00	wks..... lb .14 : .15			Para-Nitrochlorobenzene , 1200 lb drs.		
Monomethyl paraminobenol sulfate			Ochre			wks..... lb .20 : .30		
100 lb drs..... lb	3.95	4.20	Oil Fuel, see Fuel Oil			Para-Nitro-ortho-Toluidine , 300 lb		
MORPHINE Sulfate , USP 5 oz. tins			OIL MINERAL , wh. 50 gal. bbls. gal 1.00 : 1.25			bbls..... lb 2.75 : 2.85		
10 oz..... oz		7.35	Oil Mirbane, see nitrobenzene			Para-Nitrophenol , 185 lb bbls.... lb .55 : .60		
Acetate, 5 oz. tins 10 oz. lots... oz		7.35	Optum, see crude drugs			Para-Nitrodimethylaniline , 120 lb		
Hydrobromide, 5 oz. tins 10 oz. lots		7.35	Orange Mineral, 800 lb cases NY. lb			bbls..... lb		
Hydchloride, 5 oz. tins 10 oz. lots		7.35	500 lb bbls. NY..... lb			Para-Nitrotoluene , 350 lb bbls.... lb .42 : .45		
Ethyl Hydchloride, 1/4 oz. via. 10 oz.		11.45	Ortho-Aminophenol, 50 lb kegs.... lb 2.40 : 2.50			kegs		
Small Sheds: 1/4 oz. vials, 50c extra; 1/4s 25c extra; single oz. via., 7c extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins, 10c on. lower than above schedule. Less than 10 oz. lots 15c on. higher than above schedule.			Ortho-Amsidine, 100 lb drs..... lb			Para-Phenol , 500 lb drs..... lb 1.55 : 1.80		
			Ortho-Dichlorobenzene, 1000 lb drs.			Para-Phenylenediamine , 350 lb		
			wks..... lb .05% : .06			bbls..... lb 1.25 : 1.30		
			Ortho-Nitrochlorobenzene, 1200 lb			Para-Toluene-Sulfonamide , 175 lb		
			dr. wks..... lb .35 : .40			bbls..... lb .40 : .41		
			Ortho-Nitrophenol, 350 lb drs.... lb			Para-Toluene-Sulfonchloride , 410 lb		
			Ortho-Nitrotoluene, 1000 lb drs.			bbls. wks..... lb .18 : .30		
			wks..... lb .09 : .10			Para-Toluidine , 350 lb bbls. wks. lb .70 : .75		

NITRATE POTASH

DOUBLE REFINED CRYSTALS
GRANULATED OR POWDERED



BATTELLE & RENWICK

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

WHITING

DOMESTIC and IMPORTED

GAS CARBON BLACK

DENATURED ALCOHOL

SPOT STOCKS CARRIED

INDUSTRIAL CHEMICAL CO.
200 Fifth Avenue NEW YORK

Chemicals

PARIS GREEN			Piperazine Hydrate, 1 lb bot.... D			14.00	POTASSIUM—(Continued)		
Arsenic Basis, 500 lb kgs.... D	.25	: .30	Piperidine, 25 cu.....oz	1.10	: 1.25		Chlorate, crys. 112 lb kgs. e/l	.09	: .10
Kegs, 100 lbs..... D	.32	: .33	Pitch, Coal-Tar, wks.....ton	24.00	: 26.00		Imp. 112 lb kgs, NY... D	.07	: .07½
Kits, 56, 28, 14 lbs..... D	.34	: .35	Plaster Paris, tech 250 lb bbls. bbl	...	: 3.30		Powd., 112 lb kgs wks.... D	.08½	: .09
Packages, 5 and 2 lbs..... D	.36	: .37	True Dental, 300 bbls.....bbl	...	: 4.50		Imp., kgs NY..... D	.08½	: .08¾
Packages, 1 lb, ½, ¼ lb.... D	.39	: .43	Platinum, metal soft 10 cu. lots...oz	...	: 117.00		Gran. Imp. 112 lb kgs NY... D	.10½	: .11
Paris White, see whitening, French			Podophyllin, 5 lb bot..... D	5.20	: 5.40		Pyrotechnic, fine powd. NY... D	...	: .07
Peppin, USP, 5 lb bot..... D	2.25	: 2.50	Second Hands..... D	4.75	: 4.90		USP, fine crys. 110 lb kgs	.07	: .07½
PETROLATUM, green 300 lb bbls. D			POTASH, CAUSTIC, solid 88-92%				NY..... D	...	: .07
Dark Amber, 300 lb bbls..... D	.03½	: .03	700 lb dra. wks.... D	.07½	: .07¾		Citrate, USP 50 lb..... D	...	: .60
Light Amber, 300 lb bbls..... D	.04½	: .04	Imp., 88-92% 700 lb dra. NY... D	.07½	: .07¾		Cyanide, 110 lb cases..... D	.60	: .65
Cream White, USP 300 lb bbls. D	.07	: .07½	USP, by alcohol 5 lb cans... D	.46	: .48		Glycerophosphate, 75% Soln. 25 lb	1.35	: 1.50
Lily White, USP, 300 lb bbls. D	.09	: .09½	cases..... D	.30	: .35		Guaiacol Sulfonate, 5 lb cans,	10 lb..... D	2.00 : 2.25
Snow White, USP, 300 lb bbls. D	.12½	: .13	POTASSIUM Acetate, USP, 100 lb				10 lb..... D	2.00	: 2.25
Phenol, see also acid carbohc			kgs..... D	.29	: .30		Hypophosphite, 10 lb cans.... D	.80	: .85
Makers, 950 lb drums, spot.... D	.23	: .24	Second Hands, kgs..... D	.28	: .28		Iodide, USP, 100 lb cases..... D	3.35	: 3.40
Small drums, 240-100 lb.... D	.24	: .26	Bicarbonate, crys. 300 lb bbls. D	.10	: .10½		Second Hands, cases..... D	3.35	: 3.40
Open market, drums..... D	...	: .24	Bichromate, crys. 900 lb casks. D	.08½	: .08¾		Lactophosphate, 4oz bot.....oz	...	: .90
240 lb dos. dra. wks.... D	...	: .25	Powd., 900 lb casks wks.... D	...	: .12		Metabisulfite, 300 lb bbls.... D	.18	: .20
Natural, 240 lb dos. dra. wks.... D	...	: .25	Binoxalate, 300 lb bbls..... D	.25	: .28		Imp., 550 lb bbls.... D	.10	: .13
Phenolphthalein, USP, 100 lb dra. D	1.30	: 1.40	Import, 112 lb bbls.... D	.18	: .20		Muriate, 80%, 200 lb bags, NY	...	: .65
5 lb cans, 100 lb drums D	1.40	: 1.50	Bisulfate, C.P., 5 lb cans.... D	...	: .30		K ₂ O unit..... D	...	: .65
Phenyl-Alpha-Naphthylamine 100 lb	...	: ...	100 lb kgs..... D	...	: .22		Nitrate, see Saltpetre	...	: .40
kgs..... D	...	: ...	Bromate, 100 lb cs..... D	...	: .75		Oxalate, neutral, 100 lb kgs... D	.35	: .40
Phenylethylalcohol, 1 lb bot. Dom D	8.00	: 10.00	BROMIDE, USP, cryst. 450 lb				Perchlorate, 112 lb kgs..... D	...	: .10½
Imported..... D	7.00	: 7.75	bbls..... D	.48	: .49		PERMANGAN, USP, crys. 500 lb	.15	: .16
Phenylethynalonylurea, oz. pkts. oz	...	: 5.50	Granular, 300 lb bbls.... D	.48	: .49		& 100 lb dra. wks.... D	.15	: .16
Phosgene, 100 lb cylinders..... D	...	: ...	Cases, 100 lb..... D	...	: .50		Imp: 113 lb dra. D	.15	: .16
Phosphorus Oxide, 175 lb cyl. D	.35	: .40	Imported, USP, 220 lb cs.... D	.42	: .44		Prussiate, red, 500 lb casks... D	.36½	: .37
Phosphorus, red 110 lb cu. wks. D	...	: ...	CARBONATE, 80-85% calc.				Prussiate, yellow, 500 lb casks. D	.17	: .17½
Imported, 112 lb cases..... D	.60	: 1.00	800 lb cks..... D	.05½	: .06		Salicylate, 25 lb cans..... D	.60	: .65
Yellow, 110 lb cu. wks..... D	.35	: .37½	80-85%, hydrated. 800 lb	.05½	: .05¾		Sulfate, 200 lb bags, NY K ₂ O unit	...	: .85
Imported, 112 lb cases..... D	...	: ...	cks..... D	.06	: .06½		USP, VIII, 100 lb kgs.... D	.15	: .18
Phosphorus Trichloride, 175 lb cyl.	...	: .45	90-95% calc. casks..... D	.06½	: .06¾		Sulfocyanide, CP 25 lb jars... D	...	: .50
wks..... D	...	: .45	96-98% calc. casks..... D	.07	: .07½		Tartrate, neutral, 100 lb kgs. D	...	: .51
Phthalic Anhydride, 100 lb bbls. D	.23	: .28	99% calc. casks..... D	.12½	: .13		Titanium Oxalate 200 lb bbls. D	.25	: .30
Pilocarpine Hydrochloride, USP 25 oz	3.00	: 3.32	USP 100 lb kgs..... D	...	: .12½				
lots, 1 cu. vials.....oz	...	: 3.00	99% CP casks..... D	...	: .12½				
Nitrate, 25 oz.....oz	...	: 3.32							
Single ozs.....oz	...	: 3.32							
Alkaloid, 15 gr. vials.....oz	...	: .85							

Largest producers of Pure Phthalic Anhydride in the world



SELDEN

99.99+% Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other
Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. lb	.04%	.06
Lump, bags	.03%	.05
Powdered, 350 lb bbls. lb	.02%	.03
Pyridine, 50 gal drums	3.85	4.00

QUICKSILVER, see Mercury

Quinidine Alk., 1000s tins	...	.75
Sulfate, 100 oz. tins	...	.50

QUINIDINE, see Chinidin

QUININE SULFATE, USP,		
American, 100 oz. tins	...	.50
10s tins, 1000s lots	...	.57
Dutch, 1000s tins	...	.50
Java, 1000s tins	...	.50
Japanese, 1000s tins	...	.50

QUININE SULFATE, USP,		
Acetate	...	.38
Arsonate	...	.38
Benzoate	...	.38
Bisulfate, USP	...	.50
Citrate	...	.62
Dihydrochloride, USP	...	.66
Dihydrobromide	...	.66
Dicarbonate, 1000s tins	...	2.50
Ethyl Carbonate, 16oz. tins	...	.91
Ferrocyanide	...	.38
Formate	...	.35
Glycerophosphate	...	.38
Iodide	...	.38
Hydrobromide, USP	...	.62
Hydrochloride, USP	...	.62
Hydrochlorosulfate	...	.66
Hydrochloride & Urea, USP	...	.78
Hypophosphite	...	.38
Lactate	...	.78
Phenolsulfonate	...	.68
Phosphate	...	.74
Salicylate, USP	...	.62
Tannate, USP	...	.45

QUININE—(continued)

Tartrate	...	.88
Valerate	...	.89
Small Sizes: 10s vials or cans,		
500s lots, 5c on extra; 500s cans,		
500s lots, 2c on extra; 250s cans,		
500s lots, 2c on extra; single 10s		
vials or cans, 5c extra. All minor		
quinine salts sold and quoted basis		
1000s lots in 1000s cans. Sulfate		
and bisulfate sold basis 1000s		
lots in 1000s cans. Smaller orders		
or containers extra as above		
schedule.		

R SALT, 250 lb bbls. wks. lb

Red Lead, see lead oxide

Red Precipitate, see mercury

Resorcin, see resorcinol.

Resoreinol tech, 100 lb bags

USP, 25 lb cans

Rochelle Salt, USP, 25 lb bbls. lb

Imp. USP, 300 lb bbls. lb

Rosewater, triple, 5 gal. demis. gal

Rotten Stone, lump imp. bbls. lb

Lump selected, bbls. lb

Powdered, bbls. lb

Domestic, bags, mines. ton

SACCHARIN, USP, 10 lb cans, 25 lb

Soluble, USP, 10 lb cans, 25 lb. lb

Sal Ammoniac, see Ammon. Chloride

Salicin, USP, 1 lb cartons, 25 lb. lb

Salol, USP, 100 lb drums. lb

Salt, Common, see sodium chloride

Salt Cake, c/l f.o.b. wks. ton

SALTPETRE, Double Refined

Granular, 400-500 lb bbls.

c/l wks. lb

Less c/l works, bbls. lb

Large Crystals, 350-400 lb bbls.

c/l wks. lb

Small Crystals, 350-400 lb bbls.

c/l wks. lb

Powdered, bbls. c/l wks. lb

Imported, 500 lb bbls., NY. lb

Santonin, USP, 1 lb bot.

Powd. 1 lb bot.

Saponin, ex Guillaia, 5 lb tins. lb

Satin White, 500 lb bbls. lb

Schaeffer's Salt, 250 lb bbls. wks. lb

Scopolamine, see hyoscine.

Seidlitz Mixture, 225 lb bbls. lb

SILICA

Crude, bulk, buses. ton

Refined, coated, bags. ton

Air floated, bags. ton

Extra, coated, bags. ton

SILVER, metal, American. oz.

Foreign. oz.

Colloidal, 16oz bot. oz.

Silver Iodide, 16oz bot. oz.

Nitrate, 16 oz. bot. oz.

Nochinate, 16oz bot. oz.

Proteinates, 16oz bot. oz.

Soap, Castile, 40 lb hss. lb

Powd. USP, 250 lb bbls. lb

Green, USP, 150 lb kgs. lb

Soapstone, see Talc, crude

SODA ASH, 58% light

1-4 bags, deliv'd NY. 100 lb

5 & Up bags, deliv'd NY. 100 lb

1-4 bbls., deliv'd NY. 100 lb

5 & Up bbls., deliv'd NY. 100 lb

Contract, Basis 58% bags c/l

wks. 100 lb

Prompt and spot, Basis 58% bags

c/l wks. 100 lb

Contract, Basis 58% dense bags

c/l wks. 100 lb

Fmpt. and spot, Basis 58% bags

c/l wks. 100 lb

SODA, CAUSTIC, 76% solid

1-4 drums deliv'd NY. 100 lb

5 & Up drums deliv'd NY. 100 lb

Ground & Flake, 76%

1-4 drums, deliv'd NY. 100 lb

5 & Up drums deliv'd NY. 100 lb

1-4 bbls., deliv'd NY. 100 lb

5 & Up bbls., deliv'd NY. 100 lb

Contract basis 76% c/l wks.

100 lb

Soda Ash
Caustic Soda
Bicarbonate of Soda



Textile Soda
Modified Sodas
Special Alkalies

Specify "Diamond" and Depend Upon Quality

Diamond Alkalies
are recognized as
quality products,
and they are sold on
a quality basis.



The Trademark
of Quality
in Alkalies

There is economy
in buying Diamond
Alkalies for the ad-
ditional value which
they represent.

DIAMOND ALKALI COMPANY • PITTSBURGH, PA.

There are convenient warehouse stocks in your vicinity



THE largest buyer and the smallest buyer of

ALKALI

are one when it comes to receiving courteous treatment, a fair price and prompt service from Solvay.

Solvay Fluf (Extra Light Soda Ash)

Solvay 58% Soda Ash

Dense—Light

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali

Solvay Snow Flake Crystals

(Trademark Registered)

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



The Solvay Process Company

Detroit, Mich.

Syracuse, New York

Hutchinson, Kan.

Sales Department Wing & Evans Inc.—40 Rector St., New York

Boston

Cincinnati
Chicago

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Syracuse

Detroit
Indianapolis

Pittsburgh

Chemicals

SODA CAUSTIC—(Continued)			SODIUM—(Continued)			SODIUM—(Continued)		
Pmpt. and spot, Basfs 76%			C. P., 300 lb bbls.....	.05	.06	Oxalate, neutral, 100 lb kgs..	...	.39
c/l wks.....100 lb	...	2.30	Chromate, 800 lb bbls.....	...	.68	Perborate, 275 lb bbls.....	...	.21½
Contract 74% low grade c/l			Citrate, USP, IX, 50 lb kgs..	...	.59	Imp. 225 lb drs.....	...	.23
wks. flat.....100 lb	...	3.02	USP, VIII, 50 lb kgs.....	...	.52	Peroxide, 200 lb cases.....	...	.27
Ground & flake, 76% pmpt. and			Cyanide, 96-98%, 100 lb cases	...		Phosphate, di-sodium, tech. 550 lb	...	
spot, wks. c/l drs. 100 lb	...	3.60	wks.....	...	.22	bbls., .....	.03½	.03½
Contract 76% drums c/l wks.			Ton lots, wks.....	...	.22	USP, gran. 275 bbls.....	...	.07
flat.....100 lb	...	3.50	73-76%, 100 lb cases, wks. b	...	.19½	Imp. gran.....	...	.05½
USP, stick, 10 lb cans.....	.19	.21	125-128%, 260 lb cs.....	.20	.20½	USP, recryst. 275 bbls.....	...	.10
Pure, stick, by alcohol.....	.25	.27	120-125%, 200 lb cs.....	.17	.18	Mono-sodium, 100 lb kgs.....	...	.24
			118-120%, 200 lb cs.....	.16	.17	Tri-sodium, tech., c/l bbls..	...	.03½
SODIUM ACETATE, crys. 450 lb bbls.			Fluoride, 300 lb bbls, wks.....	.08½	.09½	Picramate, 100 lb kgs.....	...	.60
wks.....	.04½	.05½	Imp. 350 lb bbls.....	.08½	.09	Para-Toluene Sulfonate, 175 lb	...	
Aluminate, 500 lb bbls, wks..	.07½	.08	Glycerophosphate, USP, cryst. 25 lb	...		bbls.....	.08	.09
Aluminum Sulfate, sec alum. soda			cans.....	1.40	1.50	PRUSSIAN, yellow, 350 lb bbls.	...	
Arsenite, 4 lb mat. wks. drums gal	.50	.60	Powder, 25 lb tins.....	1.45	1.60	wks.....	...	.09½
Drums, 8 lb material, wks. gal	1.00	1.20	Solution, USP, 35 lb tins.....	1.05	1.16	Imp. 450 lb cks.....	...	.10
Benzonate, USP, 100 lb bbls..	.62	.65	Hydroxide, sec Soda Caustic	...		Pyrophosphate, 100 lb kgs.....	...	.24
Bicarbonate, 400 lb bbls, NY. 100 lb	...	2.25	Hypochlorite, Soln., 100 lb cbs. b	...	.05	Salicylate, 100 lb kgs.....	...	.40
Bbls. c/l wks.....100 lb	...	2.00	14½% soln., 50 lb cbs.....	...	.04	Second Hand, USP, kgs.....	...	.37
112 lb kgs. wks.....100 lb	...	2.25	Hydrosulfite, 200 lb bbls, for wks. b	.22	.24	Silicate, 60° 700 lb bbls., f.a.s.	...	
112 lb kgs. NY.....100 lb	...	2.50	For Stripping, 50 lb cans..	.35	.40	NY.....	...	2.00
Bichromate, 600 lb cans wks..	.06½	.06½	Hypophosphite USP 25 lb cans	...	.70	Works, 1000 lb drums.....	...	1.90
Cask, c/l NY.....	.06½	.06½				Works, tanks.....	...	1.75
Casks, NY.....	.06½	.06½				40° domestic, 700 lb c/l f.o.b.	...	
Bisulfite dry powder, 500 lb			HYPOSULFITE, tech. pea crys.	2.65	3.05	wks.....	...	.80
bbls., wks.....	.04	.04½	375 lb bbls, wks.....	...	2.50	Works, 1000 lb drums.....	...	.85
Solution, 32-40°, 500 lb bbls.	1.25	1.75	Bbls. c/l wks.....	2.75	3.35	Works, tanks.....	...	.75
wks.....100 lb	...	1.05	100 lb kgs wks.....	2.50	2.65	Spot, drums, bbls.....	1.05	1.80
Bromate, 100 lb cs.....	...	.48	Imp.....	2.90	3.30	Sulfonate, 450 lb bbls. NY. b	...	.04
BROMIDE, USP, 450 lb bbls.....	.48	.49	Graculated, bbls, wks.....	...	2.75	Sulphate, sec Glauber's Salt	...	
Cases, 50 lb.....	.48	.49	Bbls. c/l wks.....	3.00	3.60	Sulfate, Anhydrous, 550 lb bbls.	...	.03½
Imp. USP, 112 cs.....	.43	.45	Kegs, wks.....	2.35	2.65	c/l wks.....	...	.03
Carocylate, USP, 5 lb. bot.			Regular crystals.....	4.25	4.80	Impt. 250 lb bbls.....	...	.04
25 lb.....	5.50	5.90	Iodide, USP, 25 lb jars.....	.55	.70	Sulfide, 66% solid, 650 lb drs.	...	.04
Carbonate, nat soda, 350 lb bbls.	1.30	1.35	Metazitate, 150 lb bbls.....	.59	.62	le/l wks.....	...	.03½
le/l NY.....100 lb	1.10	1.20	Naphthionate, 300 lb bbls..	...	2.45	Drms. c/l wks.....	...	.03½
Works c/l.....100 lb	...	2.40	Nitrate, crude, 95%, 200 lb kgs.	...	2.51	Imp. 700 lb drs. NY.....	...	.04½
Monohydrate, 400 lb bbl.	...	.06	c/l NY.....	...	.09½	60% broken, 650 lb drs. wks. b	...	.04
le/l NY.....100 lb	...	.06½	Future, NY.....	...	.02	Imp., 500 lb drs., NY.....	...	.02½
Pure photographic, 100 lb	...	.08	Double Refined 400 lb bbls	...	.03½	Imp., 400 lb bbls.....	...	.03½
keg.....	...	.09	gran. c/l wks.....	...	.08	Sulfite, crys. 400 lb bbls, wks. b	...	.09½
Chlorate, 112 lb kgs, wks.....	.08½	.08½	Nitrite, 500 lb bbls, spot makers b	...	.09	Anhydrous, 400 lb bbls.....	...	.10
Imported, 112 lb kgs.....	.09	.09½	Imp. 650 lb casks.....25			
Imp. 450 lb cks.....	...		Ortho-Chloro-Toluene Sulfonate,37			
			175 lb bbls., wks.....	...				



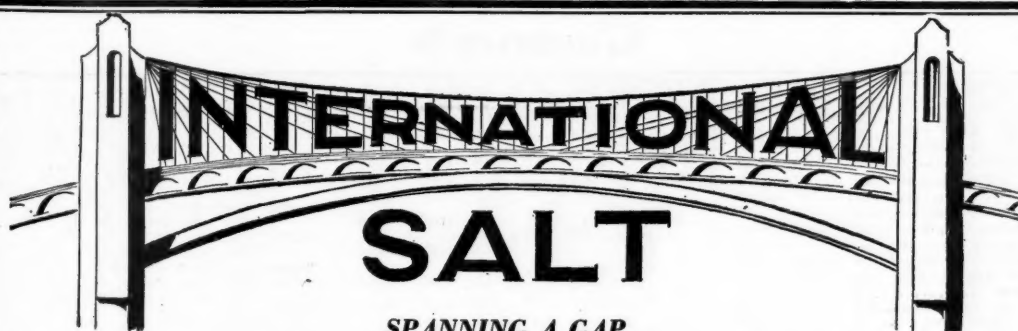
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PRICES CURRENT SECTION

Chemicals

SODIUM—(Continued)			SULFUR, crude bulk, c/1 NY. ton			Thiocarbamid, 170 lb bbls.		
Sulfocarbamate, USP, 100 lb kegs	.35	.37	Crude, f.o.b. mines	14.00	15.00	Thymol, USP, 25 lb tins	5.25	5.50
kegs .....	.35	.37	Brimstone, 250 lb bags, c/1 100 lb	1.75	1.95	TIN, Metal Straits, NY	56.35	56.35
Sulfocyanide, 400 lb bbls. ....	.45	.47	Less c/1 bags NY	1.85	2.10	Iodide, 5 lb boxes	7.25	7.50
Tungstate, crys. 100 lb kegs ..	.65	.60	Roll, 500 lb bbls. c/1 NY. 100 lb	...	2.15	American standard, NY	56.25	56.25
Anhydrous, kegs .....	...	.75	Less c/1 bags NY	2.20	2.45	99% American, NY	55.75	55.75
SOLVENT NAPHTHA, 110 gal.			Flour, Heavy, 280 lb bbls, 100 lb	2.50	3.05	Bichloride, 50% soln. 100 lb	...	15%
dra. wks .....	.27	.30	Light, 100% 280 lb bbls, 100 lb	2.60	3.15	bbls, wks .....	...	38%
8000 gal. tank cars wks. gal	.22	.25	Rubbermakers 100%, 240 lb	...	3.30	Crystals, 500 lb bbls. wks. ....	...	.39
Sparteine Sulfate, USP, 250x bulk. oz	.30	.40	bbls, NY	2.50	3.30	100 lb kegs, wks. ....	...	.58
Single oz. vial .....	...	.47	Commercial, 99%, 150 lb bgs.	1.35	1.65	Oxide, 300 lb bbls. wks. ....	...	.60
Starch, rice, 140 lb bags .....	.09	.10	NY	1.35	1.65	100 lb kegs, wks. ....	...	.31%
STRONTIUM Bromide, USP, 50 lb			For Dusting, 99%, 100 lb	2.00	2.50	Tetrachloride, 1000 lb dra. wks. lb	...	.14
kegs .....	.51	.52	bgs. NY	2.00	2.50	Titanium Oxide, bbls, wks.	1.00	1.10
Carb. 600 lb bbls. wks. ....	...	.07	Flowers, 100%, 240 lb bbls.	3.00	3.55	Toluidine, 350 lb bbls. ....	...	1.10
100 lb kegs, wks. ....	...	.08	NY	3.00	3.55	Sulfate, 350 lb bbls. ....	...	.26
Iodide, USP, 35 lb jars. ....	...	4.00	Precipitated, 125 lb bbls NY. ....	.14	.17	Toluene, 8000 gal. tank cars, wks. gal	...	.31
Nitrate, 600 lb bbls. wks. ....	.10	.10%	Lac, 125 lb bbls NY .....	.07	.10	110 gal. dra. wks. ....	...	.32
Imp. bbls, NY .....	...	.09%	Sulfur Chloride, red, 700 lb dra.	...	.06	Toluidine, Mixed, 900 lb dra. wks. lb	...	.37%
Sulleylate, USP, 100 lb kegs. ....	.75	.80	wks. ....	...	.08	Triacetin, 50 gal. dra. wks. ....	...	1.00
STRYCHNINE Alkaloid, USP, crys.			150 lb chgs. wks. ....	...	.05	Tribromophenol, 100 lb cases. ....	...	...
100 oz. tins .....	...	.81	Yellow, 700 lb dra. wks. ....	...	.07	Triphenyl Phosphate, 450 lb bbls. lb	...	...
Alk. powd., USP .....	...	.71	Sulfur Dioxide, 100 lb cyl. ....	...	.08	Tripoli, 500 lb bbls.	2.50	3.00
Acetate .....	...	.80	Iodide, USP, VIII, 5 lb bot. ....	...	4.55	Tungsten NY	8.25	9.00
Glycerophosphate, USP .....	...	.80	Sulfuric Ether, see Ether	...	...	Ultramarine Blue .....	.15	.25
Hydrobromide .....	...	.80	Sulfuryl Chloride, 600 lb dra. ....	.75	1.00	UREA, pure, 112 lb cases. ....	.18	.30
Hydrochloride .....	...	.80	TALC, Italian 220 lb bags NY.	40.00	50.00	VANILLIN, USP, 500 oz. cans. ....	...	49%
Hydrophosphite .....	...	.80	Refined white, bags	60.00	80.00	Cans, 80 ozs. ....	...	.50
Nitrate, USP .....	...	.80	French, 220 lb bgs, NY	30.00	35.00	Cans, 16 ozs. ....	...	.51
Phosphate .....	...	.80	Refined, white, bags	35.00	45.00	Second Hands .....	.47	.50
Sulfate, USP, crys. powd. ....	...	.57%	Dom., crude, 100 lb bags NY.	13.00	15.00	Venetian Red .....	...	.05
Saccharinate .....	...	1.92	Refined, 100 lb bags NY.	16.00	18.00	Verdigris, see Copper Subacetate	...	...
Strychnine preparations quoted bases			Tar, Coal Gas, Tks. wks. ....	.06	.08	Vermillon, Amer. 100 lb kegs. ....	.35	.40
1000s lots in 1000s tins. Small Sizes:			Coke Oven Tks. wks. ....	.07	.08	English, kegs	1.25	1.30
1/4 oz vials, 50c extra; 1/2 oz vials, 25c			Water Gas, Tks. wks. ....	.06	.08	Veratrine Sulfate, 1 oz vial. ....	...	1.85
extra; single ounce vials, 7c extra. Lots			Tartar Emetic, tech. 700 lb bbls. ....	.24	.25	Hydrochloride, 1 oz vial. ....	...	1.85
of 25 oz. 5c higher than above			USP, 300 lb bbls. ....	.31	.34	Veronal, see Acid Diethylbarbituric	...	...
schedule. Lots of less than 25 oz.			Terpin Hydrate, USP, 100 lb kegs. ....	.60	.62	WHITE LEAD, see lead, white	...	...
10c higher per oz.			Terpineol, CP 1000 lb drums. ....	.48	.50	White Precipitate, see mercury	...	...
Sugar Coloring bbls. ....	.63	.72	Cans, 50 lb .....	.53	.57	Whiting, 200 lb bags, c/1 wks. ton	13.00	15.00
Sugar Milk, USP, 200 lb bbls. ....	.21%	.22	Imported, cans, 25 lb .....	.95	1.20	Bags, 1c/1 NY .....	...	18.00
Second Hands, USP, bbls. ....	.19	.20	Terpenyl Acetate, 25 lb cans.	1.65	1.85	Gliders, bags, NY	13.50	15.00
Sulfenal, see Sulfonmethane	...	...	Terra Alba, No. 1, 300 lb bbls.	1.85	1.90	French, bags, NY .....	...	18.00
Sulfonethymethane, USP, 10 lb bbs.	3.85	4.08	No. 2, bbls	1.25	1.35	English, bags, NY .....	...	21.00
Sulfonmethane, USP, 10 lb bbs.	2.65	2.85	Theobromine Alk., 5 lb cans.	4.00	4.10	Vitch Hazel Extract, 50 gal. bbls. gal	1.05	1.10
			and Sod. Salicylate, 1 lb bot.	3.42			

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Chemicals

XYLENE , 3° dist range, nitration		
tk. wks. gal	.45	.50
110 gal. drs. NY. gal	.50	.55
5° dist. range, 8000 gal. tanks		
wks. gal	.35	.40
110 gal. drs. wks. gal	.40	.45
10° dist. range, drums, wks. gal	.35	.40
Tanks, wks. gal	.25	.30
Commercial 110 gal. drs., wks. gal	.30	.31
Tanks, wks. gal	.25	.28
Xylidine		
YARA YARA, 1 lb. time lb	1.65	1.80
Yohimbin Hydrochloride, 1 oz. vial. os	3.00	3.57
ZINC, METAL , high grade, slabs		
c/l NY. 100 lb		8.25
Common Slabs, c/l NY. 100 lb	7.80	7.85
Mossy, 25 lb bxs NY. lb		.14
Ammonium Chloride, powd., 400 lb		
bbls. lb	.07½	.08
Carb. tech. 150 lb kegs NY. lb		.20
USP, 100 lb kegs lb		.33
Chloride, fused, 600 lb drs. wks. lb		.08
Drs. c/l wks. lb	.04½	.05
Granulated, 500 lb bbls. wks. lb	.07	.07½
Imported, drs. NY. lb	.06½	.06½
Solution, 50%, tanks wks. lb	2.25	2.50
USP, 25 lb jars lb	.27	.29
Cyanide, 100 lb drs. lb	.40	.41
Dust, 100 lb tins. wks. lb	.09	.09½
500 lb bbls., kegs, c/l wks. lb		.09½
500 lb bbls., kegs, c/l wks. lb		.08½
Iodide, 5 lb bota. lb		5.25
Nitrate, 25 lb jars lb		.45
Oxide, Amer. 300 lb bbls. wks. lb	.08½	.08½
French, 300 lb bbls. wks. lb	.10½	.12½
Bbl. c/l wks. lb	.09½	.11½
Bags, c/l wks. lb	.09½	.10½
USP, 100 lb bbls. c/l. lb		.17
Ton lots, wks. lb		.18
Imported, white seal, bbls. lb		.12
Green seal, bbls. lb		.10
USP 100 lb bbls. lb	.15½	.16
Stearate, USP, 50 lb bbls. lb	.18½	.19
Sulfate, 400 lb bbls., wks. lb	.08½	.08½
Bbls., c/l wks. lb		.03
USP, 100 lb kegs lb	.08	.09
Sulfide, 500 lb bbls. lb	.30	.33
Sulfocarbonate, 100 lb kegs. lb	.32	.35

Oils

Castor, No. 1, 400 lb bbls. lb	.17½	.18
80 lb cases lb		.18½
No. 3, bbls. lb	.17	.17½
Blown, 400 lb bbls. lb		.19
China Wood, bbls., spot NY. lb	.15½	.15½
Tanks, Spot, NY. lb		
Dec. forw. arr. NY bbls. lb	.15½	.15½
Cst., ths., Dec. forw. lb	.13½	.14
Coconut Ceylon, 375 lb bbls., NY. lb	.11½	.11½
8000 gal. tanks, NY. lb	.10	.10½
Cochin, 375 lb bbls., NY. lb	.12	.12½
Tanks, NY. lb		.11½
Manilla tanks, P. Coast. lb		.09½
Manilla tanks, NY. lb		.10
Edible, bbls., NY. lb	.12½	.13
Cod Newfoundland, 50 gal. bbls. gal	.62	.65
Tanks, NY. gal	.57	.58
Copra, bags lb	.06	.06½
Corn, ref., 375 lb bbls., NY. lb		.13½
Crude, tanks mills lb		.10½
Bbls., NY. lb		.12
Cottonseed, crude, tks., mill. lb		.10
P. S. Y., 100 bbls. NY. lb	.11½	.12½
White, 100 bbls. lots, NY. lb		
Winter yellow, 100 bbls. NY. lb	.13½	.14
Degras, Amer. 50 gal. bbls., NY. lb	.04½	.04½
Engleth, light, bbls., NY. lb		.05½
Brown, bbls., NY. lb	.04	.04½
Light brown, bbls., NY. lb	.04½	.05
Dark, bbls., NY. lb	.03½	.04
Neutral, bbls., NY. lb	.10	Nom.
Moellen, bbls., NY. gal		.50
Greases, choice white, bbls. NY. lb	.14	.14½
Yellow lb	.09½	.09½
Brown lb		.08½
Home lb	.09½	.10
Bone naphtha lb		.07
Herring, Tanks, Coast. gal		Nom.
Horse, 375 lb bbls., NY. lb		Nom.
Lard, prime steam, bbls. lb	.15½	.16
Compounds, bbls. lb		.13

LARD OIL , Edible, prime, bbls. lb		.19½
Off prime, bbls. lb		.17½
Extra, bbls. lb		.15½
Extra, No. 1, bbls. lb		.14½
No. 1, bbls. lb		.13½
No. 2, bbls. lb		.13½
LINSEED , raw c/l bbls., spot. gal		1.13
Five bbls., raw gal		1.17
Boiled, 5 bbl. lots gal		1.19
Double Boiled, 5 bbl. lots gal		1.20
Raw, 1c/l bbls. gal		1.09
Tanks gal		1.07
Dec., Feb., c/l wks. gal		1.13
Mar., Apr., c/l wks. gal		1.14
May-June, c/l wks. gal		1.17
Imported, bbls., NY. gal		
Tanks, NY. gal		
Menhaden, crude bbls., wks. lb		Nom.
Crude, tanks, Balt. gal		.70
Light strained, bbls., NY. gal		.73
Yellow, bleached, bbls., NY. gal		.75
Extra bleached, bbls., NY. gal		.77
Blown, bbls., NY. gal		.80
Nestsfoot, 20° c.t. bbls., NY. lb		.19
Pure, bbls., NY. lb		.13½
Extra, bbls., NY. lb		.13½
No. 1, bbls., NY. lb		.13
Oleo Oil, No. 1, bbls., NY. lb	.16½	.17
No. 2, bbls., NY. lb	.15	.16
No. 3, bbls., NY. lb		.14
OLIVE , denatured bbls., NY. lb	1.30	1.35
Edible, bbls., NY. gal	2.15	2.25
Foets, bbls., NY. gal		.10
Shipments new crop lb	.09½	.10
Palm Lages, 1500 lb casks lb	.09½	.10½
Niger casks, lb	.09	.09½
Bonny old Calabar, casks lb		Nom.
Palm Kernel, bbls., NY. lb	.10½	.10½
Peanut, refined, bbls., NY. lb	.17	.17½
Crude, mills buyers' tks. lb		
Crude, bbls., NY. lb		
Perilla, bbls., NY. lb		.15
Poppyseed, bbls., NY. gal	2.25	2.50

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Crude and Refined Sulphur

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Oils and Fertilizers

Sapwood, refined, bbls. NY...	gal	.99	: 1.00
Blown, bbls. NY	gal	1.06	: 1.08
Red Oil, distilled, bbls.	lb	.11 1/4	: .11 1/4
Saponified, bbls.	lb	.11 1/4	: .11 1/4
Tanks	lb	.10 1/4	: .11 1/4
Salmon, 8000 gal. tks. Coast.	gal	...	: Nom.
Sesame, edible, bbls.	lb	...	: .40
Sod Oil, bbls. NY	gal	...	: .11 1/4
SOYA BEAN, crude, tks. Coast.	lb	...	: .12 1/4
Crude, bbls. NY	lb	.13 1/4	: .14
Refined, bbls. NY	lb	...	: .14
Sperm, 38° c.t. blehd. bbls. NY	gal	.92	: .93
45° cold test, blehd. bbls. NY	gal	...	: .90
STEARIC ACID, c.p. 200 lb bags	lb	...	: .12 1/4
Double pressed, bags	lb	.13	: .13 1/4
Double pressed, bgs., saponified	lb	.13	: .13 1/4
Triple pressed, bgs., distilled	lb	.15	: .15 1/4
Triple pressed, bgs., saponified	lb	.15	: .15 1/4
Stearine, oleo, bbls.	lb	.11 1/4	: .12
Tallow, edible, tierces	lb	...	: .11 1/4
City, extra loose	lb	...	: .10 1/4
Tallow Oil, acidless tks. NY	lb	...	: .11 1/4
Bbls. c/1 NY	lb	...	: .13 1/4
Walnut, crude bbls. NY	lb	...	: .77
Whale, nat winter bbls. NY	gal	...	: .81
Richd. winter bbls. NY	gal	...	: .83
Extra Blehd. bbls. NY	gal	...	: .83
Crude, No. 1, tanks Coast.	gal	...	: .83
Crude, No. 2, tanks Coast.	gal	...	: .83
Crude, No. 3, tanks Coast.	gal	...	: .83

Fertilizer Materials

Blood, dried, f.a.b. NY	unit	...	: 3.60
Chicago	unit	...	: 3.60
Bone, 3 & 50 gr. steam, Chgo.	unit	22.00	: 23.00
Raw, NY	unit	...	: 37.00
Cyanamide, NY, basic	unit	1.65	: 1.75
Fish Scrap, dried wks.	unit	5.00	: 10
Acid, Bulk 7 & 3 1/4, Deliv.	unit	4.00	: 50
Norfolk & Balt. basic	unit	...	: 28.00
Steamed Bone Meal, 3 & 50 Balt.	unit	3.40	: 10
Tankage, ground, NY	unit	3.10	: 10
High grade f.a.b. Chicago	unit	3.10	: 10

Ammon. Sulf., bulk wks.	100 lb	2.75	: 2.80
Double, bgs., f.a.s. NY	100 lb	3.00	: nom.
Single, bgs., wks.	100 lb	...	: 2.90
NITRATE SODA, spot	100 lb	...	: 2.45
Future, Jan.-Mar.	100 lb	2.47	: 2.50
Phosphate Rock, f.a.b. mines	ton	...	: 2.25
Florida Pebble, 68%	ton	...	: 2.50
Florida Pebble, 70%	ton	...	: 3.75
Florida Pebble, 75-74%	ton	...	: 5.50
Tennessee, 72%	ton	...	: 9.50
Phosphate Acid, 16% Bulk wks.	ton	...	: 34.55
PCTASH	ton	...	: 45.85
Pot. Murate, basis, 80% bgs., ton	ton	...	: 26.35
Pot. Sulfate, basis, 90% bgs., ton	ton	...	: 17.03
Bble. Manure Salts, basis 48%	ton	...	: 10.55
bgs.	ton	...	: 7.75
Manure Salts, basis, 30% bulk, ton	ton	...	: 10.55
Manure Salts, basis, 20% bulk, ton	ton	...	: 7.75
Kainit, basis, 12.4% bulk, ton	ton	...	: 7.75
Bulk in bags, \$2.00 extra.	ton	...	: 7.75
Prices c.i.f. Atlantic & Gulf Ports.	ton	...	: 7.75
Discounts, 50 tons, 5%; 500 tons, 10%.	ton	...	: 7.75

Naval Stores

(Carloads ex-yard N. Y.)

Spirits Turpentine, bbls.	gal	...	: .86
Wood Turpentine, stm. dist. bbls.	gal	.75	: .78
Destructive, distilled, bbls.	gal	.68	: .70
Pine Oil, stm. dist. bbls.	gal	...	: .66
Pitch, prime	gal	...	: 5.50
Rosins, (Sold in 600 lb bbls., gross for net, quotations based on a unit of 280 lb.)	gal	...	: 7.65
B	280 lb	...	: 7.65
D	280 lb	...	: 7.65
E	280 lb	...	: 7.65
F	280 lb	...	: 7.65
G	280 lb	...	: 7.65
H	280 lb	...	: 7.65
I	280 lb	...	: 7.75
K	280 lb	...	: 7.85
M	280 lb	...	: 7.95
N	280 lb	...	: 8.15
WD	280 lb	...	: 8.95
WW	280 lb	...	: 9.50

Rosin Oil, first run, 50 gal. bbls.	gal	...	: .40
Second run, bbl.	gal	...	: .46
Tar, kiln-burnt	bbl	...	: 12.00
Retort	bbl	...	: 12.00

Dye and Tan Woods

Barwood, chips	lb	.04 1/4	: .05
Camwood, chips	lb	.08	: .12
Diri Divl. pods, bags	ton	44.00	: Nom.
Furic, sticks	ton	30.00	: 32.00
Chips	lb	.04	: .05
Hemlock, bark	ton	...	: 20.00
Hyperic. chips	lb	.06 1/4	: .07
LOGWOOD, sticks	ton	23.00	: 27.00
Chips 150 lb bags	lb	.03	: .03 1/4
Mangrove bark, African	ton	...	: Nom.
Myrobalams, bags J1	ton	...	: 50.00
R1	ton	...	: 48.00
J2	ton	...	: 40.00
Nutgalls, see Crude Drugs	ton	20.00	: 23.00
Oak bark, whole	ton	...	: 25.00
Ground	ton	...	: 10.00
Quercitron bark, rough	ton	20.00	: 25.00
Ground	ton	...	: 175.00
Sumac, Sicily, 160 lb bags	ton	40.00	: 45.00
Virginia, 150 lb bags	ton	...	: 35.00
Valonia Caps, 30-31% tan	ton	...	: 52.00
Beard, 42% tan, bgs.	ton	...	: 39.00
Mixtures, 36% tan	ton	...	: 41.00
Wattle bark, bgs.	ton	...	: 41.00

Extracts

Range of prices includes quality range for large quantity.			
Anatto, fine	lb	.25	: .30
Archil, double 600 lb bbls.	lb	.13	: .14
Triple, 600 lb bbls.	lb	.16	: .17
Conc., 600 lb bbls.	lb	.18	: .20

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Chestnut, clarified, 25% tks. wks. lb	.01%	.01%	Persian Berries27	.30	Crude Drugs		
sbis., wks.02%	.03	QUEBRACHO, 35% liquid tks. lb	.03	.03%	Accroides Gum, yel.18	.20
Powd., 60% 100 lb bags, wks. lb	.05%	.05%	450 lb bbls. ....	.03%	.04	ACONITE Leaves, bales .....	.10	.12
Decolorized, bags, wks. ....	.06%	.07	35% bleaching, 450 lb bbls. lb	.04%	.05%	Root, USP, bags .....	.35	.37
Cudbear, English .....	.18	.20	Solid 65% 100 lb bales .....	.04%	.04%	Agar Agar, 1, 200 lb bales	1.60	1.55
Catch, Rangoon, 100 lb bales .....	.14	.16	Clarified, bales .....	.05	.05	No. 2, bales .....	.145	
Borneo, solid, 100 lb bales .....	.04%	.05%	Quercitron, 51° 450 lb bbls. ....	.06	.08	No. 3, bales .....	.130	
Liquid, 450 lb bbls. ....	.07%	.11	Powdered, 100 lb boxes .....	.09	.13	Agaric, white, cases	2.75	3.00
Tablets, 120 lb boxes .....	.13	.14	Spruce, 25% liquid tanks wks. lb	.01	.01%	Almonds, bitter, bags bxs. ....	.50	.55
Flavine .....	.95	1.00	Powd. 50% 100 lb bags wks. lb	.02	.02%	Sweet, bags .....	.54	.57
Fructe, solid 50 lb boxes .....	.14	.20	Sumac, liquid 450 lb bbls. ....	.06	.07%	Meal, tins, boxes .....	.24	.26
Crystals, 100 lb boxes .....	.20	.22	Stainless, 600 lb bbls. ....	.11	.13	Aletris Root, bags .....	.42	.44
Liquid, 51°, 600 lb bbls. ....	.10	.14	DYERS' SUNDRIES			Alkanet Root, bags .....	.08	.09
Gall extract .....	.16	.18	Albumen, technical, egg 200 lb cs. lb	.50	1.35	Aloes, Barbados, 120 lb bbls. ....	.65	.70
Gambier, 25% liq. 450 lb bbls. ....	.11%	.15	Blood, 100 lb drs. ....	.50	.55	Cape, 400 lb cases .....	.08%	.09
Common, 200 lb cases .....	.19%	.20	Egg Yolk, Spray, 150 lb cs. ....	.45	.65	Curacao, 100 lb cases .....	.10%	.11
Singapore cubes, 150 lb bags. ....	.19%	.22	British Gum, 140 lb bags c/l 100 lb	.42	.82	Socotrine, whole, 100 lb cs. ....	.25	.30
HEMATINE , Paste, 500 lb bbls. ....	.09%	.13	Bags, c/l .....	.42	.82	Select, cakes, lb .....	.35	.37
Crystals, 400 lb bbls. ....	.12	.20	Dextrin, corn 140 lb bags c/l 100 lb	.42	.82	Althea Root, cut cases .....	.40	.45
Hemlock, 25% 600 lb bbls. wks. lb	.03%	.03%	Bags, lc/l .....	.42	.82	Whole, bags .....	.11	.12
Hyperic, 51°, 600 lb bbls. ....	.16	.18	Yellow, bags c/l .....	.42	.82	Ambergris, black boxes	8.00	10.00
Indigo, Madras, bbls. ....	.85	.90	bags, lc/l .....	.42	.82	Grey, boxes .....	.26.00	
Manilla, bbls. ....	.130		Potato 220 lb bags c/l .....	.08	.08	Ammoniac, tears, bags .....	.68	.73
Larch, 25%, 600 lb bbls., wks. lb	.03%	.04	Bags, lc/l .....	.08%	.08%	Angelica Root, dom. bags .....	.13	.13
Powd. 100 lb bags, wks. ....	.07	.08	Yellow, 220 lb bags .....	.07%	.07%	Angelica, Bark, bags .....	.15	.16
Logwood, 51°, 600 lb bbls. ....	.07	.08	Tapioca, 200 lb bags, lc/l .....	.09	.09%	Anise, Levant bags .....	.15	.16
Lower grades .....	.07	.08	Prussian blue .....	.35	.40	Russian, bags .....	.13	.14
Solid, 50 lb boxes .....	.09	.15	Sago Flour, 150 lb bags .....	.03%	.03%	Star, cases .....	.11	.11%
Madder, Dutch .....	.28	.30	STARCH , powd. 140 lb bags c/l 100 lb	.3.97		Spanish, bags .....	.15	.15%
Mangrove, 55% 400 lb bbls. ....	.04%	.05	Bags, lc/l .....	.4.07		Annatto Seed, 200 lb bags .....	.21	.22
Myrobalsam, 25% liquid bbls. ....	.04	.05	Pearl, 140 lb bags c/l .....	.3.87		ARABIC GUM		
50% solid, 50 lb boxes .....	.05	.05%	Bags, lc/l .....	.3.87		White, No. 1, 200 lb bags .....	.26	.27
Oak, tanks, wks. ....	.04	.04%	Potato, domestic, 200 lb bags .....	.05%	.06	Seconds, 250 lb bags .....	.24	.25
23-25% liq. 600 lb bbls. wks. lb	.04%	.04%	Imported, bags duty paid. ....	.05%	.06%	Sorts, amber, 200 lbs. bbls. ....	.13	.13%
Orange Orange, 51° liquid .....	.07	.08	Tapioca Flour, high grade bags .....	.06	.06%	Powd., USP, 300 lb bbls. ....	.18	.18
Powd. 100 lb bags .....	.14	.15	Medium grade bags .....	.05%	.05%	Area Nuts, 150 lb bags .....	.21	.22
			Low grade, bags .....	.04	.05	Powd., 200 lb bbls. ....	.23	.24
			Turkey Red Oil, bbls. ....	.11	.12	Arnica Flowers, bales .....	.11	.12
			Yolk Oil, bbls. ....	.35	.35	Root, bags .....	.25	.30
						Arrowroot, Amer. powd. bbls.	2.10%	.11
						St. Vincent, powd., bbls. ....	.13	.14
						Anafetide, USP, 250 lb cases23	.25
						Powd., 50 lb bxs.38	.40
						BALM GILEAD BUDS, bags45	.50
						Balmory Herbs, bales25	.14

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Copalba, Para, 80 lb cs.....	.43	: .45	Cannabis, true Imp. bags.....	..	: ..	Broken, bales.....	.24	: .26
South American, 80 lb cs.....	.48	: .50	American (no assay) bales.....	.35	: .40	(Met, Abyssin horns.....	2.75	: 3.75
Fir Canada, case.....	11.00	: 11.50	USP.....	.50	: .70	Clover Tops, bags.....	.17	: .18
Oregon, bbls, case.....	1.05	: 1.15	Cantharides, Chinese cases.....	.95	: 1.00	Cloves, Zanzibar, 135 lb bales.....	.30	: .31
Peru, 120 lb cases.....	1.95	: 2.05	Powdered, boxes.....	1.15	: 1.20	Amboyas, bales.....	.30	: .31
Tolu, 120 lb cases.....	1.65	: 1.75	Cantharides, Russian, cases.....	.85	: .90	Penang, bales.....	.40	: .42
Bamboo Briar Root, bags.....	.05 3/4	: .06	Powdered, boxes.....	1.00	: 1.10	Cochineal, USP, boxes.....	.45	: .47
Barberry Bark, tree bales.....	.11	: .13	Caraway Seed, African, bags.....	.10	: 10 1/2	Coca Leaves, Huancuco bags.....	..	: ..
Root, bags.....	..	: ..	Dutch, 11 lb bags.....	.10 1/2	: 10 3/4	Truxillo, bags.....	..	: ..
Bayberry Bark, bales.....	.10	: .12	Cardamom, bleached, cases.....	2.25	: 2.35	Cohosh Root, Black bags.....	.08	: .08 1/2
Wax, bbls.....	.21	: .22	Decorticated, cases.....	2.00	: 2.10	Blue, bags.....	.10	: 10 1/2
Belladonna Leaves, bales.....	.26	: .27	Green, grinding, bags.....	1.65	: 1.75	Colchicum Root, bags.....	.07	: .08
Root, bags.....	.13	: .14	Carnauba Wax, Flor. bags.....	.39	: .42	Seed, bags.....	.17	: .19
Bees Wax, white cases.....	.45	: .50	No. 1 N Country bags.....	.34	: .36	Colocynth, apples, cases, bales.....	..	: ..
Yellow, refined, cases.....	.33	: .34	No. 2 N Country bags.....	.28	: .30	Palp, USP, bales.....	.28	: .30
Crude, bags.....	.28	: .30	No. 3 Fatty Gray, bags.....	.22	: .23	Colombo Root, whole bags.....	.03	: .03 1/2
Benzoin Gum, Siam, boxes.....	1.30	: 1.35	No. 3 Chalky, bags.....	.22	: .23	Coltsfoot Leaves, bags.....	.05	: .06
Sumatra, 80 lb boxes.....	.25	: .27	Cascara Amarga, 150 lb bales.....	1.25	: 1.50	Comfrey Root, bags.....	.13	: .14
Berberis Aquifolium Root, bags.....	.14	: .15	Cascara Sagrada, bales, 1920-22	..	: ..	Conduango Bark, bales.....	.14	: .16
Beth Root, bags.....	.28	: .30	bark.....	.26	: .28	Conium Seeds, bags.....	.12	: .14
Ritter Root, 100 lb bags.....	.40	: .42	1923 bark.....	.21	: .24	Copalba Balsam Para, see Balsams	..	: ..
Blackhaw Bark, root, bales.....	.33	: .34	1924 bark.....	.14 1/2	: .15	Copal Gum.....	.12	: .13
Tree, bales.....	.15	: .16	Cascarilla Bark, quilla bales.....	..	: ..	Coriander Seed, Bombay bales.....	.06	: .06 1/2
Black Indian Root, 100 lb bags.....	.40	: .42	Siftings, bbls.....	..	: ..	Morocco, bags.....	.07	: .07 1/2
Rhod Root, bags.....	.14	: .15	Cassia Buds, 66 lb cases.....	12 1/2	: 13	Bleached, bags.....	.10 1/2	: .11
Blueflag Root, bags.....	.30	: .32	China, Whole Rolls, cases.....	.07 1/2	: .08	Corn Silk, bales.....	.04 1/2	: .05 1/2
Boldo Leaves, bales.....	.20	: .21	Saigon, assort. bales.....	.30	: .31	Cotton Root Bark, bales.....	.13	: .14
Bonest Herb, bales.....	.08	: .09	Cassia Fistula, baskets.....	.09	: .10	Cowhage, oz. tins.....	..	: ..
Borage Flowers, bales.....	.17	: .20	Castile Soap, USP, powd., 200 lb	..	: ..	Cramp Bark, so-called bales.....	.07	: .08
Bryonia Root, bags.....	.10	: .11	bbls.....	.27	: .28	True, bags.....	.30	: .32
BUCHU LEAVES, short, 250 lb			Castor Beans, bags.....	.03	: .03 1/2	Cranebill Root, bags.....	.16	: .18
bales.....	.76	: .78	Castoreum, 1 lb bot.....	4.00	: 4.50	CUBEB BERRIES, XX bags.....	.60	: .65
Less, bales.....	.81	: .83	Catechu Gum, bags.....	.11	: .12	Powdered, boxes.....	.63	: .65
Long, bales.....	..	: ..	Catnip Herb, bales.....	.25	: .29	Culvers Root, bags.....	.22	: .23
Buckthorn Bark, bags.....	.05	: .05 1/2	Celery Seed, bales.....	.30	: .30 1/2	Cumin Seed, Levant bags.....	.20	: .22
Burdock Root, bags.....	.13	: .15	Ceresin Wax, white bags.....	.10 1/2	: .11	Malta, bags.....	.19	: .19 1/2
Burgundy Pitch, dom., 110 lb stands	..	: ..	Yellow, 200 lb bags.....	.09	: .10	Morocco, bags.....	.18	: .18 1/2
Gross for net.....	..	: .05	CHAMOMILE FLOWERS, Roman			Cuttlefish Bone, Trieste, straps.....	.12 1/2	: .13
Calabar Beans, bags.....	..	: ..	cases bales.....	.18	: .20	Jewelers, large, straps.....	..	: .50
Calamus Root, bleached cases.....	.33	: .35	Hung. cases bales.....	.06 1/2	: .07	Small, straps.....	..	: .35
Unbleached, bags.....	.06	: .07	Charcoal Willow, powd. bbls.....	.06	: .06 1/2	French straps.....	.12 1/2	: .13
Calendula Petals, imp. bales.....	.18	: .20	Wood, powd. bbls.....	.04	: .05	Powdered, boxes.....	.13	: .14
Calisaya Bark, bales, powd.....	.25	: .26	Chestnut Bark, bags.....	.07	: .08	Broken, boxes.....	..	: .07
Campbor, see Chemicals	..	: ..	Herb, bales.....	.06	: .06 1/2	Damar Gum, 136 lb cases.....	.27	: .28
Canary Seed, Morocco bags.....	.07 1/2	: .08	Chicle Gum, bags.....	.82	: .85	Damiana Leaves, bales.....	.40	: .42
South American, bags.....	.07	: .07 1/2	Chiretta, bales.....	.10	: .12	Dandelion Root, Imp., bags.....	.23	: .25
Candleilla Wax, bags.....	.28	: .30	Cinchona Bark, red quilla bales.....	.60	: .70	Deer Tongue Leaves, bales.....	.09	: .09 1/2
			Broken bales.....	.26	: .27			

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Digitalis Leaves, bales.....lb	.09	: 10	Grains of Paradise, bags.....lb	.15	: 16	LADY SLIPPER ROOT, bags.....lb	.50	: 55
Dill Seed, bags.....lb	.08	: 07	Grindelia Robusta Herb, bales.....lb	.07 1/4	: 08 1/4	Larkspur Seed, bags.....lb	2.50	: 3.00
Dogwood Bark, Jamaica bags.....lb	.10	: 11	Gualae Gum, 80 lb cases.....lb	.42	: 44	Laurel Leaves, bales.....lb	.04 1/4	: .05
American, bales.....lb	.07	: 08	Guarana, tins, cases.....lb	.60	: 65	Lavender Flowers, ordinary.....lb	.22	: .24
Doggrass Root, USP, cut bags.....lb	.10	: 11	GUM, see Arabic Gum, etc.			Selected.....lb	.28	: .38
Dragons Blood, mass cases.....lb	.65	: 70	HELLEBORE ROOT,			Leeches, tubs.....Per 100	4.00	: 5.00
Reeds, boxes.....lb	.80	: 85	Black, bbls.....lb	.08	: 10	Lemon Peel, bags.....lb	.08	: .09
EGHINACEA ROOT, bags.....lb	.31	: 32	Powdered.....lb	.15	: 17	Licorice Root, Russian, whole.....lb	.07	: 07 1/4
Elecampagne Root, bags.....lb	.09	: 10	White, Fowl, 250 lb bbls.....lb	.11	: 12	Spandah, natural bales.....lb	.08 1/4	: .09
Elder Flowers, bags.....lb	.11	: 14	Helenias Root, (unicorn false) bags.....lb	.67	: .68	Powdered, bbls.....lb	.09	: 09 1/4
Elm Gum, 80 lb cases.....lb	.10	: 11	Hemp Seed, Manchurian bags.....lb	.03 1/4	: .04	Selected, 2 & 5 lb bundles.....lb	.14	: .17
Elm Bark, select 5 lb bundles cases.....lb	.26	: 28	Chilian, bags.....lb	.03 1/4	: .04	Cuttings, 125 lb bags.....lb	.06	: 06 1/4
Grinding, bags.....lb	..	..	Hembane Leaves, bales, USP.....lb	.29	: .30	Greek, 150 lb bales.....lb	.03	: 03 1/4
Powdered, bbls.....lb	.23	: 25	No assay.....lb	.26	: .27	Life Everlasting Herbs, bales.....lb	.05	: .06
ERGOT, 150-200 lb bags.....lb	.60	: 65	Renna Leaves, bales.....lb	.09 1/4	: .10	Lime Juice, clarified bbls.....gal	.60	: .65
Eucalyptus Leaves, bales.....lb	.05	: 06	Powdered.....lb	.12	: 13	Linden Flowers, with leaves, bales.....lb	.10	: .11
Euphorbia Pluifera Herb, bags.....lb	.10	: 11	Honey, Calif., 120 lb cases.....lb	.12 1/4	: .13	Without Leaves, bales.....lb	.17	: .18
Euphorbium Gum, cases.....lb	.25	: 27	Hops, N. Y. prime bales.....lb	.28	: .30	Liverwort Leaves, bales.....lb	.19	: .20
Powdered, boxes.....lb	.40	: 42	Pacific Coast prime bales.....lb	.25	: 27	Lobelia Herb bales.....lb	.40	: 42
Fennel Seed, French, bags.....lb	.10	: 10 1/4	Horehound Herb, bales.....lb	.10	: 11	Lobelia Seed, bags.....lb	.62	: .63
German, bags.....lb	.16	: 18	Horsetail Rush, bags.....lb	..	: 15	Loragae Root, Imported, bags.....lb	.18	: 20
Indian, bags.....lb	.07	: 07 1/4	India Gum, see Karaya			Lupulin, boxes.....lb	1.25	: 1.30
Flax Seed, whole 180 lb bbls.....ca	13.00	: 13.50	INSECT FLOWERS, open whole			Domestic.....lb	1.25	: 1.30
Ground, 180 lb bbls.....lb	.07 1/4	: .08	Bales.....lb	.38	: 40	Lycopodium, 88 lb cs.....lb	.58	: .60
Fenugreek Seed, 200 lb bags.....lb	.05	: 05 1/4	Closed whole, bales.....lb	.40	: 42	MACE, Siam, No. 1.....lb	.87	: .90
Fish Berries, 100-125 lb bags.....lb	.10	: 12	Powdered, pure 200 lb bbls.....lb	.44	: 46	Banda, No. 1 cases.....lb	.92	: .94
Fringe Tree Bark, bags.....lb	.20	: 21	Flowers and Stems, 50 p.c. 200 lb bbls.....lb	.30	: 32	Batavia, No. 2 cases.....lb	..	..
Fumigating Pastilles Black, 1 lb bxs.....lb	.17	: 18	Ipecac Root, Cartagena, bags.....lb	2.15	: 2.20	West India, cases.....lb	.75	: .77
Red, 1 lb. bxs.....lb	.17	: 18	Powdered, 200 lb bbls, bxs.....lb	2.35	: 2.45	Malva Flowers, blue bales.....lb	.35	: .37
GALANGAL ROOT, bags.....lb	.08	: 09	Rio Whole, bags.....lb	2.25	: 2.30	Black, bales.....lb	.53	: .60
Galbanum Gum, cases.....lb	.80	: 85	Powdered, 200 lb bbls, bxs.....lb	2.40	: 2.50	Manna, large flake cases.....lb	.78	: .79
Gambier Gum, bags.....lb	.20	: 21	Isinglass, American, 130 lb cs.....lb	.75	: .80	Small flake, cases.....lb	.40	: 42
Gamboge Gum, 160 lb cases.....lb	.76	: 78	Kusian (Beluga) bxs. tins.....lb	4.00	: 4.50	Sorts, cases.....lb	..	: .30
Powdered, cases.....lb	.83	: 85	JABORANDI LEAVES, bales.....lb	.10	: 10 1/4	Mandrake Root, bags.....lb	.11	: 12
Gelsemium Root, bags.....lb	.11	: 11 1/4	Jalap Root, whole, 150 lb bags.....lb	.29	: .35	Mastic Gum, 120 lb cans.....lb	.55	: .57
Gentian Root, bags.....lb	.08 1/4	: .09	Powdered, USP, 250 lb bbls.....lb	.34	: .36	Mezereon Bark, bags.....lb	.11	: 12
Powdered, bags.....lb	.13	: 14	Japan Wax, White, bags.....lb	.15 1/4	: .16	Matteo Leaves, bales.....lb	.12	: 13
Ginger, African, bags.....lb	.20	: 20 1/4	Job's Tears, White, bags.....lb	..	..	Marjoram Leaves, German bales.....lb	.29	: .31
Jamaica, grinding, bags, bbls.....lb	.26	: 32	Juniper Berries, 125 lb bags.....lb	.05 1/4	: .08	French, bales.....lb	.40	: 45
Japan, bags.....lb	.16 1/4	: 17	KAMALA, boxes.....lb	1.05	: 1.10	Millet Seed, dom. yellow bags.....lb	.03 1/4	: .04
Cochin, ABC & Lemon, bags.....lb	.21 1/4	: 22	Karaya Gum, powdered, bbls.....lb	.10	: 18	Montan Wax, crude bags.....lb	.05 1/4	: .06
Glucose Root, cultivated, bags.....lb	8.00	: 10.00	Kava Kava Root bags.....lb	.12	: 12 1/4	Bleached.....lb	..	..
Northwestern Wild, bags.....lb	12.00	: 14.00	Kino Gum, black cases.....lb	.50	: 55	Moss, Iceland bales.....lb	.07 1/4	: .08
Southern Wild, bags.....lb	9.00	: 11.00	Kola Nuts, 150 lb bags.....lb	.04 1/4	: .05	Irish, bleached, bales.....lb	.09	: 09 1/4
Golden Seal Root, bags.....lb	3.50	: 3.70	Kousoo Flowers, bags.....lb	1.50	: 1.75	Selected, bales.....lb	.12	: 13
Powdered, boxes.....lb	4.00	: 4.10				Mullein Flowers, tins.....lb	.90	: 1.00

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Musk, pods, Carbadine, tins.....oz	16.00	: 17.00	Patchouli, Leaves, bales.....D	.16	: .18	Rosemary Flowers, cases bales....D	.25	: .28
Tonguin	22.00	: 25.00	Pennyroyal Herb, bales.....D	.08	: .12	Rose Petals, pale .....	.22	: .25
Grain Cab.	25.00	: 26.00	Pepper, black Sing. bags.....D	.13½	: .14½	Red .....	.65	: .70
Tonguin	35.00	: 38.00	White, bags .....	.18½	: .19	Rue Herb, bales .....	.18	: .22
Synthetic, see Chemicals								
Musk Root, Russian, bags.....D	2.00	: 2.10	Peppers, red Mombaras, bags.....D	.10½	: .11	SABADILLA SEED, bags .....	.18	: .24
Mustard Seed, Bari brown bags..D	.11	: .11½	Cherries, bags.....D	.14	: .16	Powder, bbis. ....	.18	: .19
Bombay, brown .....	.09	: .10	Bombay, bags.....D	.12	: .14	Saffron Flowers, Amer. bales ..D	.60	: .64
California, brown .....	.11	: .11½	Japan, bags .....	.22	: .24	Valencia, 1 lb cans	44.00	: 45.00
Yellow .....	.05	: .11½	Peppermint Leaves, imp. bales...D	.22	: .24	Sage, Dalmatian bales .....	.05	: .05½
Chinese yellow .....	.09½	: .10	Cuts, bales .....	.12	: .14	Greek, bales .....	.04½	: .05
English, yellow .....	.08	: .08½	Domestic leaf .....	.18	: .19	Spanish, bales .....	.03	: .03½
Dutch, yellow .....	.08½	: .09	Peru Balsam, see Balsams .....	.23	: .25	Sandalwood, chips bags.....D	.17	: .18
Dandish, yellow .....	.24	: .26	Pichi Leaves, bags .....	.08	: .08½	Ground, bags .....	.21	: .22
Myrrh Gum, select 200 lb cs. ....D	.20	: .22	Pimento, select bags.....D	.80	: .85	Sandarac Gum, 300 lb bbis....D	.44	: .46
Scots, cases .....	.17	: .18	Pink Root, true bags.....D	.10	: .10½	Sarsaparilla Root, Honduras, bales.D	.65	: .70
NUTGALLS, Chinese, bags.....D	.14	: .15	Pitch, Burgundy, see Burgundy Pitch	...	: .22	Mexican, bales .....	.22	: .23
Alepp, bags .....	.59	: .61	Pleurisy Root, bags .....	...	: .15	Sassafras Bark, ordinary bales...D	.15	: .17
Nuts, 110s cases .....	.05	: .05½	Plantain Leaves, bales .....	...	: .15	Select, bales .....	.29	: .30
Nux Vomica Buttons, bags.....D	.08	: .09	Poke Berries, bags .....	...	: .15	Savory Leaves, bales .....	.06	: .06½
Powdered, 200 lb bbis....D	.05	: .06	Poke Root, bags .....	...	: .10½	Saw Palmetto Berries, bags.....D	.08½	: .09
OAK BARK, red bags.....D	.06	: .07	Pomegranate Bark, of root bags..D	...	: .30	Scammony Resin, boxes.....D	1.20	: 1.30
White, bags .....	.11	: .11½	Of Fruit, bags .....	...	: .30	Scammony Root, bags .....	.06½	: .07
Oilbarnum Gum, rift 280 lb cases.D	.22	: .23	Of Tree .....	...	: .30	Serega Root, bags .....	.58	: .59
No. 1, all white 280 lb	...	: ...	Poppy Flowers, red bags.....D	.25	: .28	SENNA, Alex 150 lb cases.....D	.21	: .23
cases	12.00	: 13.00	Poppy seeds, Dutch, bags.....D	.10½	: .11	Half Leaf, 350 lb bales.....D	.13	: .15
Opium, gum, USP, cases	13.00	: 14.00	German, bags .....	.10½	: .11	Siftings, 400 lb bales .....	.10	: .11
Granular, cans	13.00	: 14.00	Turkish, bags .....	.09½	: .10	Powdered, 200 lb bbis....D	.14	: .14½
Powdered, USP, cans .....	.50	: 1.00	Blue Indian, bags .....	.08	: .08½	Timmerly, job 350 lb bbis....D	.11	: .16½
Orange Flowers, cases .....	.07½	: .07¾	Prickly Ash Bark, Southern, bags.D	.26	: .28	Grinding, 350 bales.....D	.05	: .07
Orange Peel, bitter, bags.....D	.10	: .10½	Northern, bags .....	...	: ...	Powdered, 200 lb bbis....D	.14	: .14½
Sweet, bags .....	.09	: .10	Prickly Ash Berries, bags.....D	.14	: .16	Pods, 350 lb bales .....	.13	: .14
ORRIS ROOT, Florentine hold bags.D	.12	: .13	Prince's Pine, bales .....	.25	: .30	Serpentaria Root, bags .....	.82	: .84
Powdered, 200 lb bbis....D	.08	: .09	Pulsatilla Herb, bags .....	.16	: .18	Shiellac, D.C., bags .....	.77	: .79
Verona, bags .....	.10	: .11	Pumpkin Seed, bags .....	.14	: .16	V.S.O. bags .....	.77	: .79
Powdered, 200 lb bbis....D	.50	: .55	QUASSIA CHIPS, bags .....	.07	: .07½	Diamond I, bags .....	.77	: .79
Flowers, case .....	.22	: .24	Queen of the Meadow Herb, bags.D	...	: .06	Superfine, Orange, bags.....D	.67	: .69
Ozokerite Wax, brown hard bags..D	.27	: .28	Quince Seed, bags .....	.78	: .80	Fine, bags .....	.66	: .68
Green, hard bags .....	...	: ...	RAPE SEED, South Amer. bags....D	.08	: .08½	T.N., bags .....	.63	: .65
Refined, yellow bags .....	.18	: .24	Dutch, bags .....	.06½	: .07	Garret, A. C. ....	.61	: .63
PAPRIKA, bags .....	.26	: .28	Japanese, small, bags .....	.06	: .06½	Bution bags .....	.79	: .81
Hungarian .....	.13	: .14	Raspberries, dried boxes .....	.56	: .60	Bleached, ground, bbis. ....D	.61	: .63
Pareira Brava Root, bags.....D	.09	: .10	Red Saunders .....	.17	: .19	Bone Dry, bbis. ....	.73	: .74
Parsley Seed, bags.....D	...	: ...	Rhatany Root, bags .....	.09	: .10	Stimaruba Bark, bales.....D	.07	: .08
			RHUBARB, Root, H.D., cases...D	.35	: .37	Sideritis Herb, cut bags .....	.15	: .18
			Powdered, 200 lb bags43	: .45	Skullcap Leaves, Eastern, bales..D	.65	: .70
			Rosemary Leaves, bales04½	: .05	Western, bales34	: .38
						Rice Berries, bags03	: .04

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Crude Drugs

Snake Root, Canada natural, bags..	.35	.37
Stripped, bags50	.65
SOAP BARK, whole, 150-200 lb		
bales .....	.10	.11
Cut, 125-175 lb bags .....	.10½	.11
Crushed, 200 lb bbls. ....	.11	.12
Powdered, 200 lb bbls. ....	.14	.15
Spearment Leaves, American bales..	.15	.22
Spermaceti, blocks, cakes, cases..	.38	.43
Spikenard Root, bags .....	.25	.26
Spruce Gum, boxes	1.00	1.50
Squaw Vine, bales .....	.18	.20
Squills, white .....	.05	.06
Powdered, bulk .....	.12	.14
Stavesacre Seed, bags .....	...	...
Sticklac, Siam, 250 lb bales .....	.46	.48
Stillinger Root, bags .....	.11½	.12
Stone Root, bags .....	.09	.10
Styrax, liquid artif. ....	.65	.70
Gen. USP. ....	.85	.95
St. Ignatius Beans, bags .....	.12	.13
St. John's Bread, bags .....	.03	.05
Stramonium Leaves, bales .....	.07½	.08
Stramonium Seed, bags .....	.12	.13
Strophanthus Seed, Hispidus	1.00	1.25
Kombe, bags	1.00	1.25
Sunflower Seed, domestic bags .....	.08	.06½
South American, bags .....	.08	.05½
TAGALDER BARK, bags .....	.05	.06
Tamarinds, bbls. ....	.05	.05½
Kegs .....	...	3.50
Tansy Herb, bales .....	.18	.19
Tar, Barbadoes, 50 gal. bbls.	1.40	1.50
Thus Gum, 280 lb bbls. ....	.07½	.08
Thyme, Spanish bales .....	.08	.08½
French, bales .....	.11	.11½
Tilia, see Linden		
Tolu Balsam, see Balsams		
Tonga Bark, bags .....	.27	.29
Tonka Beans, Angostura, cases	2.15	2.25
Para, cases .....	.90	1.00
Surinam, cases .....	...	...

Tragacanth Gum, No. 1, ribbon	1.15	1.20
160 lb cs. ....	.90	1.16
No. 2 to No. 6, cases .....	.80	.82
Powdered, 50 lb boxes .....	.70	.85
Turkish, cases .....	.13	.13½
Turmeric Root, Madras bags .....	.11	.11½
Aleppy, bags .....	.12	.13
Powdered .....	.09	.09½
China, bags .....	.15	.16
Turpentine, Venice, true 80 lb cs. ....	.11	.13
Artificial, 80 lb cases		
Spirits, see Naval Stores		
UNICORN ROOT, false, see Heloni		
True, see Aletris		
Uva Ursi Leaves, bales .....	.04½	.05
VALERIAN ROOT, Belgian bags .....	.13	.14
Vanilla Beans Mex. whole cases	11.00	12.00
Cuts, cases	9.00	9.50
Bourbon, cases	9.00	9.50
South American, cases	7.00	7.50
Tahiti, yellow label cases .....	...	...
Green Label, cases .....	.25	.26
Vetiver Root, 100 lb bags .....	.70	.80
Violet Flowers, bags .....	.85	.90
WAHOO BARK, of root bags .....	.40	.42
Of Tree, bags .....	.07½	.08
White Pine Bark, rosed, bags .....	.06	.07
White Poplar Bark, bags .....	.12	.13
Wild Cherry Bark, thin green .....	.08	.09
Rosed, bales .....	.08½	.09½
Thick Rosed, bales .....	.05	.06
Thin Natural, bales .....	...	.06
Thick Natural, bales .....	...	.15
Willow, bark bags .....	.07	.08
White, bags .....	.07½	.08
Witch Hazel Bark, bgs. ....	.08½	.09
Witch Hazel Leaves, bales	2.75	4.00
Worm Seed, American bags .....	...	.10
Levant, bags .....	.04	.04½
Wormwood Herb, imported bales .....	.05½	.06½
Yacca Gum, red .....	.12	.14
Ground .....	.16	.17
YELLOW DOCK ROOT, bags .....	.09	.09½
Yellow Parilla Root, bags .....	.11	.12
Yerba Santa, bags		
Zedoary Root, bags		

Essential Oils

Almond Bitter USP, 5 lb bot.	3.15	3.25
Bitter ff PA 5 lb bots.	3.25	3.50
Sweet, 56 lb cans .....	.80	.85
Peach Kernel, 55 lb tins. ....	.28	.30
Apricot, see Peach Kernel		
Amber, crude 25 lb tins. ....	.70	.75
Rectified, 25 lb tins. ....	.85	.90
Angelica Root, 1 lb bot.	28.00	30.00
ANISE, Tech., 66 lb case .....	.55	.57
USP, 50 lb tins. ....	.60	.62
Bay, 25 lb tins.	2.20	2.35
Bergamot, 25 lb coppers	3.35	3.80
Artificial, 25 lb cans	2.20	2.35
Birch Tar, rect. 5 lb bot. ....	.75	.80
Crude, 50 lb tins. ....	.30	.50
Bols de Rose, 25 lb tins.	4.75	5.00
Cade, 25 lb cans .....	.35	.40
Cajuput, native, 50 lb tins. ....	.75	.80
Calamus, 5 lb bot.	4.20	4.65
Camphor, heavy, 1000 lb drums .....	.14½	.15
Japanese, white, 72 lb cases .....	.14	.14½
White, 1000 lb drums .....	.13½	.14
Cananga, native 25 lb tins.	2.00	2.25
Rectified, 25 lb tins.	2.50	3.00
Caraway, USP	2.75	2.85
Cardamom, USP, 1 lb bot.	33.00	34.00
Carrol, 5 lb bot.	9.50	10.50
Cascarilla, USP, 1 lb bot.	50.00	52.00
CASSIA, 80-85 p.c. 400 lb drms. ....	...	...
Redistilled, USP, 50 lb cans.	2.70	2.90
Cedar Leaf, 50 lb tins. ....	.85	.95
Cedar Wood, light 100 lb drums .....	.80	.85
Celery, 1 lb bot.	10.00	11.00
Chaulmoogra, 80 lb cases .....	.85	.90
Cinnamon, Ceylon, 1 lb bot.	11.00	12.50
Leaf, 5 lb bot.	1.40	1.50
CITRONELLA, Ceylon		
1000 lb drums .....	.75	.82
50 lb tins.78	.85
Java, 400 lb drums
50 lb tins.
Cloves, USP, 50 lb cans.	2.00	2.10
6 lb bot.	2.10	2.20

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Copaiba, USP, 25 lb tins	42	45
Coriander, USP, 1 lb bot	10.75	11.00
Croton, USP, 25 lb tins	95	1.00
Cubeba, USP, 5 lb bot	4.50	4.75
Cumin, 1 lb bot	11.00	11.50
Dill, 1 lb bot	4.25	4.50
Erigeron, 20 lb tins	3.75	4.00
EUCALYPTUS, Austl. USP,		
50 lb cans	.59	.61
500 lb drums	.57	.59
Fennel, USP, 25 lb tins	.90	1.10
Geranium, Algerian, 25 lb tins	7.25	7.75
Bourbon, 25 lb tins	7.00	7.50
Turkish, 25 lb tins	4.25	4.50
Ginger, 1 lb bot	12.00	13.00
Hemlock, 50 lb cans	.82	.85
Gingergrass, 25 lb tins	3.00	3.25
Juniper Berries, USP, 25 lb tins	1.85	2.00
Woods, 50 lb tins	.50	.60
Lavender, USP, 25 lb tins	5.00	7.50
Spice, Spanish, 50 lb cans	1.10	1.75
LEMON, Ital. USP, 25 lb tins	.93	1.10
American, USP, 25 lb tins	.85	.90
Lemongrass, native, 50 lb cans	1.30	1.40
Limes, Express, 25 lb tins	2.25	2.35
Distilled, 25 lb tins	1.20	1.35
Linaloe, Mex. 80 lb cases	3.50	3.75
Mace, distilled, 50 lb tins	1.55	1.60
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot	...	14.00
Artif., USP, 1 lb bot	3.00	3.25
Neroli, Bigarade, 1/2 & 1 lb bot	40.00	60.00
Petal, 1 lb bot	90.00	120.00
Artificial, 1 lb bot	10.00	25.00
Nutmeg, USP, 25 lb tins	1.55	1.60
Orange, bitter, 25 lb tins	2.80	2.75
Sweet, W. Ind., 25 lb tins	2.70	2.80
Italian, 25 lb cop.	2.75	3.00
American, 25 lb tins	2.75	2.80
Distilled, 25 lb tins	1.40	1.50
Spanish, 25 lb tins	2.80	2.90
Origanum, 50 lb cans tech.	.30	.35
Parsley, 1 lb bot	4.50	5.50
Patchouli, 5 lb bot	2.00	2.15
Pennyroyal, dom, 25 lb tins	1.65	1.70
Imported, 25 lb tins	9.75	10.00
PEPPERMINT, nat., 60 lb cases	10.25	10.50
Beds., USP, 60 lb cases	2.10	2.20
Petit Grain, S. A., 25 lb tins	7.00	8.00
French, 1 lb bot	2.25	2.35
Italian, 25 lb tins	2.25	2.35

Pimento, 25 lb tins	2.50	2.60
Pinus Sylvestris, 25 lb tins	...	1.40
Pumilio, USP, 25 lb tins	...	2.25
Rose, Fr., 8, 16 & 32 oz. pugs.	...	9.00
Bulg., 8, 16 & 32 oz. pugs.	8.00	9.00
Artificial, 1 lb bot	2.00	3.00
Rosemary, USP, 27 1/2 lb tins	.42	.46
1000 lb drums	.35	.40
Tech., 27 1/2 lb tins	.35	.40
Rue, 1 lb bot	...	4.25
Sandalwood, E. Ind. USP, 76 lb cases	6.85	7.10
W. Indian (Amoyis) 25 lb tins	2.60	2.79
Sassafras, USP, 50 lb cans	1.20	1.30
Artificial, 1000 lb drs., 60 lb cans	.34	.38
Savin, 5 lb tins	2.25	2.40
Spearmint, USP, 60 lb cases	4.25	4.50
Spruce, 50 lb tins	.82	.85
Tansy Amer., 20 lb tins	3.20	3.30
Tar, 50 gal. bbls.	.25	.28
Refined, USP 25 lb tins	...	...
Thyme, red, USP, 25 lb tins	.85	1.00
White, USP, 25 lb tins	1.00	1.10
Tech., 110 lb drums	.30	.35
Vetiver, Bourbon 1 lb bot	12.00	14.00
Indian, 1 lb bot	30.00	32.00
Java, 1 lb bot	20.00	22.00
Wine, heavy 1 lb bot	...	1.50

WINTERGREEN		
Sweet beh., 25 lb tins	2.50	3.00
Southern, 25 lb tins	1.85	2.00
Gaultheria, true 25 lb tins	7.00	8.00
Southern, 25 lb tins	3.75	4.00
Synthetic, USP, 50 lb cases	...	.47
Wormseed, Balt., USP, 25 lb tins	3.25	3.40
Wormwood, dom., 25 lb tins	4.00	4.50
Ylang Ylang, Bourbon 10 lb tins		
No. 1	6.00	8.00
No. 2	5.00	6.00
Manila, 1 lb bot	23.00	40.00
Artificial, 1 lb bot	10.00	12.00

OLEORESINS

Aspidium, USP, 1 lb bot	2.75	3.00
Caryocum, USP, 5 lb bot	2.50	2.75
Cubeb, USP, 1 lb bot	4.00	4.50
Ginger, 5 lb bot	4.25	4.75
Malefern, See Aspidium		
Orris 1 lb bot	15.00	18.00
Pepper, black, USP, 1 lb bot	3.50	4.00
Vanilla, 1 lb bot	22.50	25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot	1.25	1.75
Borneol, 1 lb bot	...	3.50
CITRAL, 25 lb cans	3.00	3.50
Citronellal, 1 lb bot	2.50	3.00
EUCALYPTOL, USP, 25 lb cans		
Eugenol, USP, 25 lb cans	3.25	3.50
Geraniol, Domestic, 50 lb cans	3.50	4.00
Imported, 5 lb bot	3.75	4.50
Iso-Eugenol, 1 lb bot	4.00	4.50
Imported	5.25	6.25
Linalool, 5 lb bot	6.00	6.25
From Bois de Rose, 5 lb bot	7.00	7.50
MENTHOL, 60 lb cases	...	13.00
Less cases, 5 lb cans	...	13.50
Rhodinol, 1 lb bot	18.00	21.00
Extra, 1 lb bot	40.00	47.00
SAFROL, 60 lb cans	.45	.47
Thymol, USP, 25 lb tins	5.25	5.50

SYNTHETIC AROMATICS

Acetaldehyde, 50% solupure, 5 lb bot	1.75	2.00
Acetophenone, CP, 1 lb bot	4.25	4.50
Aldehyde, C-8 (Octyl), 1 lb bot	45.00	60.00
Aldehyde, C-9 (Nonyl), 1 lb bot	70.00	75.00
Aldehyde, C-10 (Decyl), 1 lb bot	50.00	58.00
Aldehyde, C-12 (Dodecyl), 1 lb bot	27.50	32.50
Aldehyde, C-14, 1 lb bot	22.50	25.00
Aldehyde, C-16, 1 lb bot	70.00	80.00
Aldehyde, see Anisic Aldehyde		
Amyl Acetate, pure 5 gal. cans, gal	4.00	4.25
Amyl Butyrate, 1 lb bot	1.75	2.00
Amyl Cinnamate, 1 lb bot	4.00	4.50
Amyl Formate, 1 lb bot	1.50	1.75
Amyl Phenyl Acetate, 1 lb bot	4.50	5.00
AMYL SALICYLATE, dom. 100 lb chys.		
Imported	1.45	1.50
Amyl Valerate, 5 lb bot	2.25	2.50
Anisic Aldehyde, 1 lb bot	4.75	5.00
Aldehyde, 1 lb bot	3.75	4.25
ENZALDEHYDE, USP, 40 lb chys	1.40	1.50
FFC, 40 lb chys	1.50	1.65
Benzole Ether, See Ethyl Benzozate		
Benzophenone, 1 lb bot	6.75	7.00
Benzyl Acetate, 100 lb chys	1.55	1.75

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Benzyl Alcohol, 5lb bot.....	D	1.45	: 1.55	Iso-Butyl Benzoate, 5lb bot.....	D	4.75	: 5.00	Skatol, 1oz. bot.....	os	7.00	: 7.25
BENZYL BENZOATE, 5lb bot.....	D	1.80	: 1.75	Iso-Safrol, 1lb bot. Imported.....	D	5.00	: 5.25	Terpinyl Acetate, 25lb cans.....	D	1.65	: 1.85
Medicinal FFC, 1lb bot.....	D	1.75	: 2.00	Domestic, 5lb bot.....	D	4.00	: 4.25	Imported, 25lb cans.....	D	1.90	: 2.30
Benzyl Butyrate, C.P., 1lb bot.....	D	5.50	: 6.00	Linalyl Acetate, 1lb bot. Dom.....	D	8.00	: 9.50	TERPINEOL, CP, 1000lb drums.....	D	.42	: .44
Benzyl Cinnamate, 1lb bot.....	D	10.00	: 10.50	Imp., 1lb bot.....	D	8.00	: 8.50	Cans. 50lb.....	D	.47	: .49
Benzyl Formate, 1lb bot.....	D	3.00	: 3.25	Linalyl Benzoate, 1lb bot.....	D	13.00	: 14.00	Absolute, 25lb cans.....	D	.80	: .80
Benzyl Propionate, 1lb bot.....	D	5.00	: 5.25	Linalyl Formate, 5lb bot.....	D	10.50	: 12.00	Imported, 25lb cans.....	D	.50	: .55
Boreryl Acetate, 1lb bot.....	D	3.75	: 4.00	Methyl Acetophenone.....	D	4.00	: 4.25	VANILLIN, USP, 500 oz. cans.....	D	.50	: .49 1/2
Bromostyrol, 25lb cases.....	D	3.50	: 4.00	METHYL ANTHRANILATE dom.,				Cans. 16 oz., 80 oz.....	os	.50	: .51
Butyl Anthranilate, 1lb bot.dom.D		...	: 16.00	1lb bot.....	D	2.50	: 3.00	Second Hands.....	os	.47	: .50
Butyric Ether, See Ethyl Butyrate				Imported.....	D	3.00	: 3.25	Valerianic Ether, See Ethyl Valerate			
Cinnamic Acid, 5lb cans.....	D	3.00	: 3.25	Methyl Benzoate, 5lb bot. Import.D		2.00	: 2.25	Yara Yara, 1lb cans.....	D	1.65	: 1.80
Cinnamic Alcohol, liquid 1lb bot.D		9.00	: 9.50	Domestic, 5lb bot.....	D	1.75	: 2.00				
Crystallizable.....	D	9.50	: 10.00	Methyl Cinnamate, 1lb bot.....	D	3.50	: 3.75				
Cinnamic Aldehyde.....	D	3.50	: 3.75	Methyl Heptenone, 1lb bot.....	D	8.00	: 8.25				
CITRONELLOL, 1lb bot.....	D	9.00	: 11.00	Methyl Paracresol, 1lb bot.....	D	8.00	: 9.00				
Imported, 1lb bot.....	D	10.00	: 12.00	Methyl Phenylacetate, 5lb bot.dom.D		3.75	: 4.00				
Chironellyl Acetate, 1lb bot.....	D	13.00	: 14.00								
COUMARIN, 25lb cans.....	D	3.25	: 3.45	METHYL SALICYLATE, USP 500 lb							
DIETHYL PHTHALATE, 25lb cans.D		.40	: .45	drums.....	D	...	: .45				
1000lb dra.....	D	.35	: .40	50lb cans.....	D	...	: .47				
Diphenyl oxide, 25lb tins.....	D	.85	: .90	Second Hands.....	D	.44	: .45				
Ethyl Acetate, pure, 5lb bot.....	D	.45	: .50	Mirbane, rect., 1000lb drums.....	D	12 1/4	: .14				
Ethyl Benzoate, 5lb bot.....	D	1.85	: 2.00	Musk Ambrette, 1lb cans.....	D	11.75	: 12.25				
Ethyl Butyrate, 5lb bot.....	D	1.75	: 2.00	Musk Ketone, 1lb cans.....	D	14.50	: 15.00				
Ethyl Caproate, 1lb bot.....	D	3.25	: 3.50	Musk Xylene, 5lb cans.....	D	3.65	: 3.80				
Ethyl Cinnamate, 1lb bot.....	D	3.50	: 3.75	Nerolin, 1lb cans.....	D	1.65	: 1.80				
Ethyl Formate, 5lb bot.....	D	2.00	: 2.10	Oenanthalic Ether, 1lb bot.....	D	1.50	: 2.00				
Ethyl-methyl Paracresol, 1lb bot.D		3.25	: 3.50	Para-Cymene, Refd., 110 gal. drs.gal	D	2.25	: 2.50				
Ethyl Phenylacetate, 5lb bot.....	D	3.75	: 4.00	Phenylacetalddehyde, Dom.....							
Ethyl Propionate, 1lb bot.....	D	2.25	: 2.50	1 lb. bot. 50 p.e.....	D	8.00	: 8.50				
Ethyl Valerate, 5lb bot.....	D	4.50	: 4.75	Imported, 50 p.e.....	D	7.00	: 7.50				
Ethyl Salicylate, 5lb bot.....	D	3.25	: 3.50	80-85 p.e.....	D	14.00	: 16.00				
Formic Ether See Ethyl Formate				Phenylacetic Acid, 1lb bot.....	D	3.00	: 3.25				
Geranyl Acetate, 1lb bot.....	D	5.00	: 5.50	Phenyl Diacetate, 1oz. bot.....	os	3.25	: 3.50				
Geranyl Butyrate, 1lb bot.....	D	13.00	: 13.50	PHENYLETHYLALCOHOL dom.							
Geranyl Formate, 1lb bot.....	D	12.00	: 12.50	1lb bot.....	D	8.00	: 10.00				
Hellotropin, dom., 100-10lb.....	D	1.85	: 2.00	Imported.....	D	7.00	: 7.75				
Imported.....	D	2.25	: 2.50	Phenylethyl Butyrate, 1lb bot.....	D	26.00	: 28.00				
Hydroxyacetone, 1lb bot.....	D	12.00	: 14.00	Phenylethyl Formate, 1lb bot.....	D	19.00	: 21.00				
Indol, CP, 1 oz. bot.....	os	6.00	: 6.50	Phenylethyl Propionate, 1lb bot.....	D	20.00	: 24.00				
Iosene, 1lb bot. 100%.....	D	10.00	: 11.00	Phenylethyl Valerate, 1lb bot.....	D	25.00	: 28.00				
Alpha.....	D	14.50	: 16.00	Phenylpropylalcohol, 1lb bot.....	D	15.00	: 16.00				
Beta.....	D	12.75	: 14.50								
Methyl.....	D	16.00	: 18.00								

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ACIDS—Boric, 200 bags, Pacific Coast Borax Co., Leghorn; Carbolic, 40 srs., Orrer, Liverpool; Cresylic, 1 dr., Monsanto Chem. Wks., Liverpool; 12 drs., Order, Liverpool; Formic, 100 carboys, E. M. Sergeant Co., Rotterdam; 140 carboys, R. W. Greeff & Co., Rotterdam

ALDES—50 cs., Suzarte & Whitney, Curacao

AMMONIUM—Carbonate, 10 bbls., Brown Bros. & Co., Liverpool

ANTIMONY—Regulus, 150 cs., A. H. Pickering & Co., London; Sulfide, 11 cks., L. H. Butcher Co., London; Sulfur 200 cks., Hemsoth Basse & Co., Bordeaux; Sulfuret, 2 cks., Order, London

ARGOLS—87 bgs., Royal Bank of Canada, Catania; 24 cks., Royal Baking Powder Co., Naples; 20 cks., Tartar Chem. Wks., Naples; 74 cks., Royal Baking Powder Co., Leghorn

ARSENIC—Sulfide, 20 cks., L. H. Butcher Co., London

BARKS—2 bgs., W. T. Shay, Nassau; 729 bgs., Order, Durban; Buckthorn, 490 bgs., P. H. Petry & Co., Danzig; Cinchona, 12 bbls., Standard Bk. of So. Africa, London

BERRIES—Juniper, 50 bgs., Order, Leghorn

CAMPOR—169 cs., D. L. Moss & Co., Shanghai; 220 cs., Equit. Trust Co., Hamburg; 4 cks., Order, Hamburg

CASEIN—1,301 bgs., Nat. City Bk., Buenos Aires

CHALK—500 tons, Taintor Trdg. Co., London; 2,000 bgs., Nat. City Bk., Antwerp; 1,000 bgs., Brown Bros. & Co., Antwerp; 700 bgs., Nat. City Bk., Antwerp; 500 bgs., L. H. Butcher Co., Antwerp; 417 bbls., Billiard Co., Antwerp; Precipitated, 275 pgs., H. J. Baker & Bros., Bristol

COAL TAR—Distillate, 25 drs., Monsanto

Chem. Wks., Liverpool; 96 drs., Order, Liverpool

COLORS—2 cks., Amer. Aniline Products Inc., Hamburg; 1 cse., 2 cks., H. A. Metz & Co., Hamburg; 14 cks., Nat. City Bk., Hamburg; 4 bbls., 1 ck., Irving Bk., Antwerp; 2 kgs., Amer. Exch. Nat. Bk., Antwerp; 1 bbl., Ital. Disc. & Trust Co., Antwerp; 6 cks., Irving Bk., Liverpool; 39 pgs., Ciba Co., Havre; 6 cks., W. F. Sykes & Co., Havre; Bronze, 10 cs., T. Riessner, Hamburg; Bronze Powder, 12 cs., L. Uhlfelder Co., Bremen; Earth, 50 cs., Reichard Coulston, Inc., Rotterdam

COPRA—618 bgs., Order, Trinidad; 43 bgs., Franklin Baker Co., Morant Bay

CREOSOTE—30 drs., Panama Pacific Co., Liverpool

EPSOM SALTS—50 bgs., 400 cks., Brown Bros. & Co., Hamburg

EXTRACTS—Archil Liquor, 6 cks., W. A. Ross & Bro., Liverpool; Logwood, 110 bbls., Logwood Mfg. Corp., Cape Haitien; 30 cks., West Indies Chem. Wks., Kingston; 240 cs., J. W. Fisher, Kingston; Quebracho, 5,317 bgs., Tannin Corp., Buenos Aires

FLOWERS—10 bbls., Peck & Velsor, Antwerp; Chamomille, 10 bbls., C. L. Huisking & Co., Antwerp; Pyrethrum, 10 bbls., Victor & Hosken, Yokohama

FULLERS EARTH—500 bgs., L. A. Salomon & Bro., Bristol

GELATINE—90 cs., Amer. Exp. Co., Rotterdam; 5 cs., J. P. Smith & Co., Liverpool

GLAUBER'S SALT—334 bgs., Amer. Exch. Nat. Bk., Hamburg

GLUE—100 bbls., Order, Marseilles; 430 bgs., W. R. Grace & Co., San Antonio; 268 bgs., Order, Hamburg; 130 pgs., Brit. Bk. of So.

Amer., Antwerp; 100 bgs., Order, Hamburg; 11 cks., Wessel Nickel & Grace, Antwerp

GLYCERIN—42 drs., Marx & Rawolle, Antwerp; 100 drs., Core & Herbert, Antwerp

GUMS—Arabic, 140 bgs., Order, Antwerp

CHICLE—22 bbls., Order, Ciudad Bolivar; 35 bbls., H. Triest & Co., Vera Cruz; 458 bgs., Chicle Dev. Co., Vera Cruz; Copal, 56 bgs., S. Winterbourne & Co., Antwerp; 321 bgs., Chem. Nat. Bk., Antwerp; 189 bbls., Standard Bk. of So. Africa, Macassar; 386 bbls., Kidder Peabody Co., Macassar; 245 cs., 284 bbls., Catz Amer. Co., Macassar; 281 bbls., Mech. & Metals Nat. Bk., Macassar; 252 bbls., France Campbell & Darling, Macassar; 130 bbls., L. C. Gillespie & Son, Macassar; 260 bbls., Patterson Boardman & Knapp, Macassar; 65 bbls., Strook Wittenberg Corp., Macassar; 52 bbls., G. H. Links, Macassar; 1,176 cs., Order, Macassar; 176 pgs., Order, Macassar; Damar, 300 cs., Goldman Sachs & Co., Batavia; 100 cs., Kidder Peabody Co., Batavia; 300 cs., Innes & Co., Batavia; 600 cs., Order, Batavia; 100 cs., W. Schall & Co., Batavia; Styraz, 14 cs., Maynard & Child, Liverpool; Tragacanth, 29 cs., Order, London

HERBS—3 bbls., 2 bgs., E. C. Dietz, Hamburg; 19 bgs., 1 cse., E. C. Dietz, Hamburg

INSECT POWDER—40 cs., Order, Hamburg

IRON OXIDE—49 bbls., L. Butcher & Co., Malaga; 100 bbls., E. M. & F. Waldo, Malaga; 100 bbls., L. Scott Libby Co., Malaga; 114 bbls., C. J. Osborn Co., Malaga; 26 cks., J. McNulty, Liverpool; 2 cks., Bk. of Amer., Liverpool; 35 cks., R. J. Waddell & Co., Liverpool; 8 cks., C. B. Chrystal Co., Liver-

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pool; 11 cks., Reichard Coulston Inc., Liverpool; 12 cks., Order, Liverpool

JUICE—Licorice, 15 cs., S. B. Penick & Co., Catania

LEAVES—66 bls., Arnaud Gordon Freres, Marseilles; 219 bls., 8 cs., Order, Marseilles; Buchu, 5 bls. (with stems), Peck & Velsor, Cape Town; 10 bls. (with stems), Parke Davis & Co., Cape Town; Senna, 426 bls., A. Jonsson & Co., Tuticorin; 130 bls., First Nat. Bank, Minn., Tuticorin; Stramonium, 23 bls., Order, Leghorn

LEECHEES—6 cs., Midwood Chem. Works, Bordeaux

LIME—Citrates, 163 cks., Order, Messina

MAGNESIUM—Chloride, 368 drs., Innis Speiden Co., Hamburg; Powder, 6 cs., Elektron Metals Corp. of Amer., Hamburg

MANURE SALT—Quantity, Potash Imp'tg. Corp. of Amer., Bremen

MENTHOL—25 cs., S. W. Bridges & Co., Kobe

MERCURY—60 flasks, Poillon & Poirier, Vera Cruz; 400 flasks, Leghorn Tdg. Co., Leghorn; 450 flasks, Order, Leghorn

NAPHTHALINE—126 bgs., E. M. Sergeant & Co., London

NUX VOMICA—1,000 bgs., Order, Tuticorin

OILS—Cod, 300 cks., Nat. Oil Products Co., St. Johns; Codliver, 24 cks., Mead Johnston & Co., St. Johns; 150 bls., Parke Davis & Co., Bergen; 133 bls., A. F. Roloson, Bergen; 100 bls., Dissoway Chem. Co., Bergen; 275 bls., Order, Bergen; Palm, 154 cks., African & Eastern Trdg. Co., Hamburg; 209 cks., 90 bbls., Guaranty Trust Co., Liverpool; 238 drs., Order, Antwerp; Kernel, 207 bbls., E. F. Jones Chem. Co., Liverpool; 105 cks., African & Eastern Trdg. Co., Liverpool; Paraffin, 1 cse., Vacuum Oil Co., Cape Town; Rape, 2 cs., Order, Kobe; Wood, 500 bbls., Mitsui & Co., Shanghai; 150 bbls., P. J. Fagan, Shanghai; 450 bbls., Order, Shanghai

OILS, ESSENTIAL—15 cks., Nat. City Bk., Barcelona; 18 cks., Ungerer & Co., Barcelona; 10 cs., Ungerer & Co., Havre; Bergamot, 20 cs., Mfrs. Trust Co., Messina; 4 cs., Belgian Trdg. Co., Messina; Eucalyptus, 190 cs., 6 drs., J. P. McCoy & Co., Melbourne; 200 cs., Order, Melbourne; Geranium, 4 cks., Titan Shpg. Co., Marseilles; Jasmine, 2 cs., Heine & Co., Rotterdam; Lemon, 100 cs., Order, Messina; Mandarin, 10 cs., A. Chiris & Co., Messina; Orange, 25 cs., Nat. City Bk., Messina; 36 cs., Order, Kingston; 136 cs., 2 drums, Colonial Bk., Kingston; 20 cs., D. Steengrafe, Kingston; 20 cs., Mfrs. Trust Co., Messina; Petit Grain, 25 cs., Order, Buenos Aires; 40 cs., Order, Buenos Aires

ORANGE PEEL—15 bls., Peck & Velsor, Catania; 20 bls., S. B. Penick & Co., Catania

OXIDE—Red, 10 cks., Stanley Doggett Inc., Liverpool

PIASSAVA—50 cs., Eaton Schleich & Will, Antwerp

POTASSIUM SALTS—Binoxalate, 10 kgs., R. W. Greeff & Co., Rotterdam; Bromide, 98 cs., Katchurin Drug Co., London; Muriate, 7.54 bgs., 40 bbls., Potash Imp't. Corp. of Amer., Bremen; 5,000 bgs., Societe Comm. Des Potasses, Antwerp; Nitrate, 1 cse., A. Cameron, Iquique; 254 bgs., Kuttroff Pickhardt & Co., Rotterdam; Prussiate, 18 kgs., C. Tennant Sons & Co., Liverpool

QUININE—Bisulfate, 19 cs., Victor & Hosken, Yokohama; Sulfate, 30 cs., Victor & Hosken, Yokohama

ROOTS—20 bgs., Eli Lilly & Co., Hamburg; 22 bgs., S. B. Penick & Co., Hamburg; 20 bgs., McLaughlin Gormley King Co., Hamburg; 21 bls., 3 bgs., Order, Hamburg; 17 bls., Order, Hamburg; 20 bls., M. Tschow, Antwerp; Arrow, 12 bbls., Barnett & Bute, St. Vincent, B.W.I.; 36 bbls., J. Morningstar & Co., St. Vincent, B.W.I.; Broom, 671 bls., Busquet Delauney, Vera Cruz; 100 bls., F. S. Smith & Son, Vera Cruz; 400 bls., Order, Vera Cruz; 54 bls., J. Convert, Vera Cruz; Canagria, 16 cks., Order, Vera Cruz; Ipecac, 10 cs., Colombia Amer. Corp., Cartagena; Rhubarb, 26 cs., D. L. Moss & Co., Shanghai; Sarsaparilla, 30 bls., Order, Tampico; 24 bls., H. Triest & Co., Vera Cruz

SAFFRON—14 cks., H. Triest & Co., Vera Cruz

SAL AMMONIAC—84 cks., Seaboard Nat. Bk., Rotterdam; 46 cks., Order, Rotterdam

SAP BROWN CRYSTALS—40 cks., Heller & Merz Co., Bremen

SEEDS—20 bgs., Toledano & Co., Marseilles; 200 bgs., Austin Nichols & Co., Marseilles; Canary, 100 bgs., Order, Marseilles; Mustard, 20 bgs., Amer. Exp. Co., Rotterdam; Rape, 200 bls., A. G. Dunn & Co., Rotterdam

SHELLAC—50 cs., Order, London; 25 bgs., Ralli Bros., Hamburg; Garnet, 61 bgs., Kasebier Chathfield Shellac Co., Hamburg; Silver Sulfide—4 cs., W. R. Grace & Co., Pocasmayo; 5 cs., Bk. of Cent. & So. Amer., Pocasmayo

SODIUM SALTS—Cyanide, 200 cs., Order, Rotterdam; Cyanure, 224 cs., Internat'l. Bkg. Co., Marseilles; Prussiate, 19 cks., Meteor Products Co., Liverpool; 22 cks., C. Tennant Sons & Co., Liverpool

SUMAC—350 bgs., N. Y. Trust Co., Palermo; 465 bgs., Order, Palermo

TALC—700 bgs., Whittaker Clark & Daniels, Bordeaux; 505 bgs., C. B. Chrystal Co., Bordeaux; 225 cs., M. M. Binney & Smith, Bordeaux

TAPIOCA—Flour, 288 bgs., Brown Bros. & Co., Batavia; 505 bgs., Phila. Nat. Bk., Batavia; 1,149 bgs., Equit. Trust Co., Batavia; 11,716 bgs., Nat. City Bk., Sourabaya; Pearl, 288 bgs., Fidelity Internat'l. Trust Co., Batavia; 1,586 bgs., Nat. City Bk., Sourabaya; Siftings, 642 bgs., Nat. City Bk., Sourabaya

TARTAR—188 bgs., C. Pfizer & Co., Marseilles; 437 bgs., Royal Bkg. Powder Co., Marseilles; 577 bgs., C. Pfizer & Co., Buenos Aires; 317 cks., C. Pfizer & Co., Oran; 488 cks., Tartar Chemical Wks., Oran; Cream, 30 cks., A. J. Marcus Inc., Hamburg

VANILLA BEANS—20 cs., O. G. Hempstead & Sons, Rotterdam; 16 cs., H. Triest & Co., Vera Cruz; 4 cs., Dodge & Olcott, Vera Cruz

WAX—17 bgs., Strohmeier & Arpe Co., San Antonio; 23 bgs., Strohmeier & Arpe Co., Talcuano; Bees, 100 bgs., Order, Liverpool; Mineral, 16 bgs., L. S. Tainter, Hamburg; Vegetable, 100 cs., Strohmeier & Arpe Co., Kobe

WINE LEES—364 bgs., Royal Bkg. Powder Co., Buenos Aires

WOODFLOUR—701 bgs., Bakelite Corp., Rotterdam; 750 bgs., B. L. Soberski, Halsund

WOOL GREASE—10 bbls., Order, Bremen; 80 cks., Alpers & Matt, Hamburg

ZINC—Oxide, 170 bbls., Innis Speiden & Co., Antwerp

IMPORTS AT PHILADELPHIA Dec. 10 to 17

ACID—Formic, 98 carboys, Mec. & Metals Nat'l. Bank, Hamburg

CHALK—400 bags, Brown Bros. & Co., Antwerp; 4,000 bags, Tradescans Nat. Bank, Antwerp

CHEMICALS—25 casks, P.W.-R Co., Bremen

GLAUBER'S SALT—164 bbls., Corn Exch. Nat. Bank, Hamburg

GLYCERIN—Crude, 615 drums, Order, Manchester

GUM—Damar, 192 bags, Order, Singapore

MAGNESIUM BROMIDE—16 cans, Equitable Trust Co., Hamburg

OIL—Palm, 140 casks, Order, Liverpool; Palm Kernel, 445 bbls., Order, Hull; Rape, 50 bbls., Order, Hull

POTASH—Kainit, 327,329 kilos, Potash Imp. Co., Bremen; Muriate, 500 bags, Potash Imp. Co., Bremen

SHELLAC—75 bags, Phil. Nat. Bk., Calcutta; 473 bags, Order, Calcutta

SODIUM—Nitrate, 60,489 bags, Du Pont & Co., Iquique

TAPIOCA FLOUR—2,160 bags, Equitable Trust Co., Batavia; 510 bags, Tradescans Nat. Bank, Batavia; 481 bags, Stein-Hall & Co., Batavia; 287 bags, Order, Batavia

IMPORTS AT BALTIMORE

Dec. 9 to 13

AMMONIUM—Sulfate, 100 casks, 62,920 lbs., Kuttroff Pickhardt & Co., New York, Sac City, Rotterdam

EPSOM SALT—250 bags, 55,000 lbs., Roessler & Hasslacher Chemical Co., Hamburg

FERTILIZER—Nitrogenous, 118 bags, 23,100 lbs., F. H. Shallus Co., Sac City, Antwerp; 1,222 bags, 220,000 lbs., Eugene Suter & Co., Inc., New York, Sac City, Antwerp

PHARMACEUTICAL PRODUCTS—12 cases, Sharp & Dohme, Liberty, Havre

POTASH—Carbonate, 74 casks, 60,000 lbs., Parsons & Petit, Seattle Spirit, Hamburg; Caustic, 59 cases, 50,000 lbs., F. H. Shallus Co., Seattle Spirit, Hamburg; Kainit, 100 tons, Potash Import'g Corp., Porta, Bremen; Manure Salt, 250 tons, Potash Importing Corp., Porta, Bremen; 200 tons, F. H. Shallus Co., Porta, Bremen; 100 tons, Potash Importing Corp., Porta, Bremen; Muriate, 4250 bags, Potash Import'g Corp., Porta, Bremen; 9,040 bags, F. H. Shallus Co., Porta, Bremen; Sulfate, 250 bags, Potash Importing Corp., Porta, Bremen

SEEDS—50 bags, McCormick & Co., M. S. Dollar, Shanghai; Mustard, 35 bags, 3,718 lbs., Mangelsdorf Seed Co., Sac City, Rotterdam

SODA—Nitrate, 62,820 bags, 5,000 tons, The Cottman Co., Denham, Mejillone, U.S.A.

STARCH—Potato, 200 bags, 44,000 lbs., Hall Trading Corp., Delaware, Copenhagen

TAPIOCA FLOUR—503 bags, Samuel Shapiro & Co., M. S. Dollar, Shanghai

WOOL GREASE—10 casks, Island Petroleum Co., Porta, Bremen

IMPORTS AT SAN FRANCISCO

Dec. 6 to 13

ACID—Oxalic, 93 casks, Order, Rotterdam

ANTIMONY—Regulus, 100 cases, H. M. Newhall & Co., Calcutta

BLUEING—100 cases, H. M. Susmonde, Rotterdam

COPPER—Sulfate, 25 bbls., Order, Hamburg

ESSENCES—Linaloe Wood, 8 cases, A. Triest & Co., Manzanillo

EXTRACT—Quebracho, 3,855 bags, Tanners Corp., Buenos Aires; 502 bags, Swift & Co., Buenos Aires

LINSEED—1,755 bags, Order, Buenos Aires

OILS—Codliver, 25 bbls., Order, Christiania; Olive, 160 cases, Order, Rotterdam; 330 cases, Order, Seville

SODA—Nitrate, 19,288 bags, W. R. Grace & Co., Antofagasta; 160 bags, Order, Brevik

SEEDS—Caraway, 150 bags, Bank of California, N.A., Rotterdam; 50 bags, Order, Rotterdam; Coriander, 63 bags, Order, Bordeaux; Rape, 50 bales, Order, Rotterdam

SHELLAC—85 bags, H. W. Peatdy & Co., Calcutta

SPICES—Mustard, 64 cases, J. & J. Colman, Rotterdam; Pimento, 100 bags, Order, Rotterdam

TARTAR—1,644 bags, American Cream Tartar Co., Bordeaux

TURPENTINE—200 cases, Edward Eyre & Co., Mazatlan

IMPORTS AT BOSTON

Dec. 13 to 20

ACIDS—Mixed, 15 bbls., Order, Manchester

COLOR—3 casks, Aniline Dyestuffs Corp. of America, Manchester; 2 kegs, Aniline Dyestuffs Corp. of America, Manchester; 1 drum, Aniline Dyestuffs Corp. of America, Manchester

GAMBIER—166 bags, Cube, Order, Singapore; 425 bags, Order, Singapore

GLUE—100 casks, ground, E. F. Ross & Co., Manchester

OIL—30 casks, Cod, Order, Manchester

The National Fertilizer Association has issued a bulletin attacking the Underwood Muscle Shoals bill on the ground that it would subsidize the prospective lessee or government operating corporation. In their opinion no one could produce fertilizer at this plant by any known process except at a loss, but that a lessee could afford such a loss on account of the large profit to be obtained from the water power end of his business.

An amendment to the Underwood bill whereby Muscle Shoals would be operated by the Government was defeated in the Senate, last week. It is predicted in official circles in Washington that a joint commission of Senators and Representatives will be appointed to investigate and report on the best way to dispose of the plant, in which case no definite action can be expected before next winter.

AMMONIUM SALES TO JAPAN HEAVY

Imports of chemicals into Japan during the first half of 1923, the latest period for which statistics are available, are shown in the following table prepared by Consul General N. B. Stewart, Tokyo:

Commodity.	Pounds.	Value.
Boric acid	1,134,269	\$137,416
Tartaric acid	522,833	152,380
Carbolic acid	2,005,698	407,044
Caustic soda	20,394,689	784,788
Soda ash and natural soda.....	112,040,496	1,240,756
Sodium bicarbonate	10,674,815	240,324
Sodium nitrate	78,493,572	2,311,317
Borate of soda	3,741,876	201,544
Cyanide of soda and potash..	1,075,990	190,480
Potassium sulfate	6,754,673	155,871
Potassium bichromate	1,473,763	166,511
Ammonium chloride	2,448,758	190,327
Ammonium sulfate	675,467,315	6,330,381
Glycerin	2,018,102	331,223

Purity Bakeries Corp., combining under one organization fifteen different plants in St. Paul, Minneapolis and Duluth, Minn., Detroit, Flint, Jackson and Battle Creek, Mich., Cincinnati, Columbus, Toledo, Akron and Hamilton, O.; and Indianapolis, Ind., has been organized under the laws of Delaware. The directors are: Thomas O'Connor, pres.; Michael L. Molan, vice-pres.; John M. Greissell, vice-pres.; John T. McCarthy, sec. and ass't. treas.; Arno Geiser, treas. and ass't. sec.; L. A. Cushman, L. A. Cushman, Jr., E. T. Foley and Nicholas F. Lenssen. The Irving Bank-Columbia Trust Co., New York, is transfer agent for the stock and the Central Union Trust Co., New York, is registrar.

It is reported that the company exploiting the "Claude" patents for the manufacture of synthetic ammonia, which is being carried on in France under the auspices of the Societe de St. Gobain, intends to contest the validity of a rival patent taken out by Professor Casale and now in use by the Societe Pechiney. The similarity existing between the Claude, Casale and Haber processes is likely to bring about some intervention on the part of the French Government which is planning to exploit the German Haber patents at its powder factory at Toulouse with the active assistance of chemists from the Badische Anilin factory.

Deposits of virgin sulfur have been discovered near the sources of the river Terek in the Caucasus, according to foreign reports.

FRANCE BUYS COPPER SULFATE IN ENGLAND

In 1923 France imported 20,833 metric tons of copper sulfate, valued at 36,205,000 francs, of which 18,162 tons, valued at 31,959,000 francs, came from Great Britain. During the first six months of the current year imports reached 19,599 metric tons, worth 36,601,000 francs, Great Britain supplying 17,500 tons of the total, worth 32,007,000 francs. There does not appear to be any particular reason for Great Britain possessing a virtual monopoly of the French import trade in copper sulfate, more especially as she must import all the raw materials used in its manufacture.

For spraying vines, wheat or potatoes, sulfate of copper is usually employed in a mixture known either as the Bouillie Bordelaise or the Bouillie Bourguignonne. The former mixture is composed of sulfate of copper and quick lime. The two articles are dissolved separately, and mixed when the effervescence of the lime has subsided. Bouillie Bourguignonne is almost as efficacious as the Bouillie Bordelaise and is cheaper to make, consisting of sulfate of copper and carbonate of soda, each being dissolved separately, as in the case of the Bouillie Bordelaise, and then mixed. Both mixtures must be employed immediately.

Sulfate of copper is delivered in bags of 100 kilograms, carefully sealed with a metal seal bearing a guaranty of purity. The cost at the factory is approximately 180 francs per 100 kilograms, or about \$100 per long ton. The import duty on British sulfate is 6 francs per 100 kilograms, whereas the American article, if imported, would be taxed 8 francs for the same quantity. This differential rate is not, however, an obstacle to the sale of American sulfate of copper in France.

A new corporation has been formed in Mira, Italy, for the production of soap and candle products. The initial capital is 1,000,000 lire, which will be increased to 40,000,000 lire. The new corporation was founded by absorbing two of the largest concerns. Although there are several smaller stearic and glycerin industrials, and many soap and candle manufacturers in Italy, there is no concern nearly as large as the new corporation, which may dominate the Italian market in stearin, candles, soap, and affiliated chemical products.

Switzerland imported 19,566,000 francs worth of paints, varnishes, pigments and gums during 1923, an increase of about 25% over 1922. Lloyd A. Nolan of the Chemical Division, Department of Commerce reports that domestic varnishes are of a poor quality and there should be a good field there for American varnishes.

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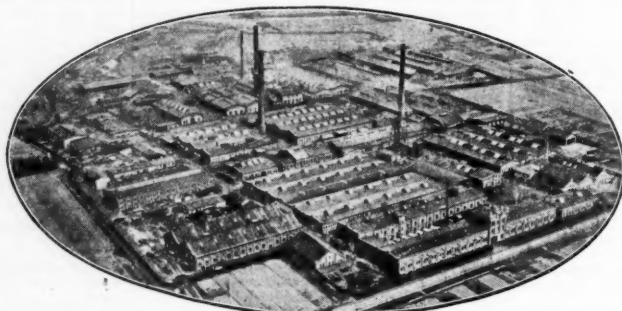
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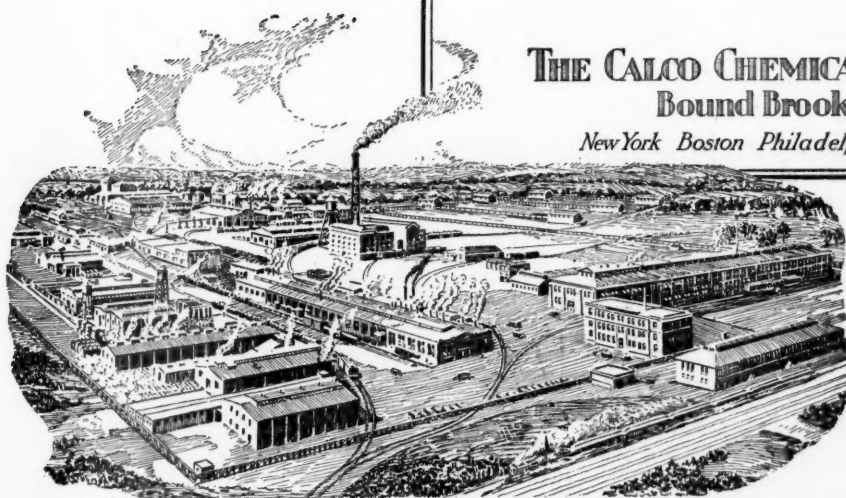
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